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## AN EXPERIMENTAL INVESTIGATION OF THE STRUCTURAL DYNAMICS OF A TORSIONALLY SOFT ROTOR IN VACUUM

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## AN EXPERIMENTAL INVESTIGATION OF THE STRUCTURAL DYNAMICS OF A TORSIONALLY SOFT ROTOR IN VACUUM

#### TABLE OF CONTENTS

			Page
SUMMARY	•		. 1
INTRODUCTION	•		. 2
TEST OBJECTIVES			. 3
ROTOR HODEL			. 4
VACUUM SPIN RIG	•		. 5
PIEZOELECTRIC CRYSTAL EXCITATION SYSTEM			. 6
INSTRUMENTATION			. 7
DESCRIPTION OF TESTS			. 10
Neutral Axis Location Tests	•		.10
Vibratory Hodal Characteristics	•	• •	. 10
DATA REDUCTION	•	• •	.11
Vibratory Modal Characteristics	•	• •	.11
DISCUSSION OF RESULTS	•	• •	.12
Neutral Axis Location Tests	•		.12
CONCLUSIONS			
APPENDIX A - Data Reduction Procedures			
Modification of Modal Analysis Computer Programs Input Data Files of Run-point Specifications			
Evaluation of Frequency and Damping Results			
Compilation of Mode Shape Results			
REFERENCES	•		.20
TABLES			
FIGURES			

d

#### LIST OF FIGURES

Figure No.	<u>Title</u>
1	Schematic of Selected Hingeless Helicopter Rotor Model ITR Study Configuration II-A
2	Rotor Configuration Cases Selected for Tests
3	UTRC Vacuum Spin Rig
4	Conceptual Arrangement for Model Installation in Vacuum Spin Rig
5	Instrumented Model Rotor in the UTRC Spin Rig
6	Model Rotor Drive Crystal Arrangement
7	Strain Gage Description and Locations Relative to Component Mode Node Line Excursions for all Configurations and Speeds
8	Strain Gage and Ciystal Locations on Blade S/N 8
9	Comparison Between Steady Lead-Lag Moments Measured at Various Rotor Speeds with those Measured in Static Tests
10	Effect of Rotor Speed on Modal Frequencies for Rotor Configurations 1(a) and 2
11	Effect of Rotor Speed on Modal Frequencies for Rotor Configurations 6(c)
12	Modal Amplitude Plots for Configuration 1(a) at 0 RPM
13	Modal Amplitude Plots for Configuration 1(a) at 1000 RPM
14	Modal Amplitude Flots for Configuration 2 at 0 RPM
15	Hodal Amplitude Plots for Configuration 2 at 1000 RPM
16	Modal Amplitude Plots for Configuration 6(c) at 0 RPM
17	Modal Amplitude Plots for Configuration 6(c) at 1000 RPM
18	Data Reduction Program Logic Diagram
19	Time Domain Mcdal Curve Fit Algorithm
20	FFT Spectrum Interpolation Formulas

#### LIST OF FIGURES

Figure No.	Title					
21	Sample Input Data File					
22	Optional Graphics Output Typical Time History and FFT System					
23	Optional Graphics Output Typical Filtered Time History and Curve Fit Result					
24	Extraction of Modal Information from a Time History Containing Noise					
25	Optional Tabulated Output: ATLAS Tape Dump					
26	Optional Tabulated Output: Example of Curve Fit and Interpolation Details and Results					
27	Example of Data Reduction Program Tabulated Output					
28	Format of Processed Results on Tape					

#### LIST OF TABLES

Table No.	<u>Title</u>
1	Rotor Spanwise Distribution of Mass Properties and Stiffness
2	Calculated Blade Natural Frequencies (Uncoupled Modes)
3	Strain Gage Channel Allocation and Conversion Factors
4	PM Tape Recorder Set-up
5	Test Configurations and Modes Analyzed
6	Post Test Strain Gage Static Calibration
7	Modal Parameters for Configuration 1(a) at 0 RPM
8	Modal Parameters for Configuration 1(a) at 400 RPM
9	Modal Parameters for Configuration 1(a) at 600 RPM
10	Modal Parameters for Configuration 1(a) at 800 RPM
11	Modal Parameters for Configuration 1(a) at 1000 RPM
12	Modal Parameters for Configuration 1(b) at 680 RPH
13	Modal Parameters for Configuration 1(b) at 1000 RPH
14	Modal Parameters for Configuration 2 at 0 RFM
15	Modal Parameters for Configuration 2 at 775 RPH
16	Modal Parameters for Configuration 2 at 1000 RPM
17	Modal Parameters for Configuration 3(a) at 0 RPM
18	Modal Parameters for Configuration 3(a) at 1000 RPH
19	Modal Parameters for Configuration 3(b) at 0 RPM
20	Modal Parameters for Configuration 3(b) at 1000 RPM
21	Modal Parameters for Configuration 4(a) at 0 RPM
22	Hodal Parameters for Configuration 4(a) at 1000 RPM
23	Hodal Parameters for Configuration 4(b) at 0 RPM
24	Modal Parameters for Configuration 4(b) at 926/1900 RPN
25	Modal Parameters for Configuration 5(a) at 0 RPM
	,

#### LIST OF TABLES (con't.)

Table No.	<u>Title</u>
26	Modal Parameters for Configuration 5(a) at 1000 RPM
27	Modal Parameters for Configuration 5(b) at 0 RPM
28	Modal Parameters for Contaguration 5(b) at 1000 RPM
29	Modal Parameters for Configuration 6(a) at 0 RPM
30	Modal Parameters for Configuration 6(a) at 410/710 RPM
31	Modal Parameters for Configuration 6(a) at 1012 RPM
32	Modal Parameters for Configuration 6(b) at 0 RPM
33	Modal Parameters for Configuration 6(b) at 1000 RPM
34	Hodal Parameters for Configuration 6(c) at 0 RPM
35	Modal Parameters for Configuration 6(c) at 1000 RPM
36	Effect of Rotor Configuration and Speed on Frequency of First Bending Mode of Blade S/N 8
37	Effect of Rotor Configuration and Speed on Frequency of Second Bending Mode of Blade S/N $8$
38	Effect or Rotor Configuration and Speed on Frequency of Third Bending Mode of Blade S/N 8
39	Effect of Rotor Configuration and Speed on Frequency of First Edgewise Mode of Blade S/N $\theta$
40	Effect of Rotor Configuration and Speed on Frequency of F rst Torsion Hode of Blade S/N 8
41	Sampling Rate and Bandpass Filter Assignments

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## AN EXPERIMENTAL INVESTIGATION OF THE STRUCTURAL DYNAMICS OF A TORSIONALLY SOFT ROTOR IN VACUUM

#### **SUMMARY**

An extensive data base of structural dynamic characteristics has been generated from an experimental program conducted on a torsionally soft two-bladed model helicopter rotor system. Measurements of vibratory strains for five modes of vibration were made at twenty-one locations on the two blades at speeds varying from 0 to 1000 RPM and for several combinations of pre one, droop and flexure stiffness. The tests were conducted in vacuum under carefully controlled laboratory conditions using a unique excitation device which uses a system of piezoelectric crystals bonded to the blo; surface near the root. Frequencies, strain mode shapes and dampings are extracted from the time histories and can be used to validate structural dynamics codes. The dynamics of the system are such that there is a clear tendency for the first torsion and second flap modes to couple within the speed range considered. Strain mode shapes vary significantly with speed and configuration. This feature is important in the calculation of aeroelastic instabilities. The tension axis tests confirmed that the modulus-weighted centroid for the nonhomogeneous airfoil is slightly off the mass centroid and validated previous static tests performed to determine the location of the tension axis.

#### INTRODUCTION

An accurate knowledge of the dynamic characteristics of rotor blades is essential in order for the designer to be able to determine the extent of susceptibility of the rotor system to aeroelastic instabilities. These dynamic characteristics include the natural frequencies, mode shapes and damping of both the individual blades and rotor system. A data base of these characteristics experimentally obtained under controlled excitation for different configurations of the rotor obtained (covering a range of pitch, precone and droop settings at several rator speeds) can be used to validate structural dynamic analysis models.

Accurate measurements of the structural dynamic characteristics in air or in an operating environment cannot be made because of the influence of aerodynamic damping. In nearly all rotor experiments, modes which exhibit high aerodynamic damping are virtually impossible to measure. Further, aeroelastic coupling among the blade modes produces responses which do not represent directly the basic natural system mode characteristics of the rotor blades. Therefore it becomes essential to obtain by measurement the fundamental modes and their characteristics in a vacuum environment and to use these data to validate analytical models. The validated models can then be used with confidence in the design-analysis process.

A motivation for the present effort comes from the results presented at the methodology assessment workshop (Ref. 1) in which wide variation and discrepencies between test data and corresponding aeroelastic analyses of hingeless rotor models were reported by participants from industry and government. The validation of the isolated structural dynamics component of a rotor system mathematical model is an important step in developing an aeroelastic computer code that can be used with a high level of confidence.

This report presents the results of an effort to experimentally determine the structural dynamics of a torsionally soft 6.32 foot diameter two bladed rotor system in vacuum. Frequencies, mode shapes and damping for the first three flap bending modes, first torsion mode and the first lead-lag mode were measured in vacuum at speeds varying between 0 and 1000 RPM covering a range of droop, precone, pitch angle and pitch flexure combinations as follows:

Droop 0, -5°

Precone 0, +5°,

Pitch 0, +12°, -12°

Pitch Flexures: Soft and stiff

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With 21 strain gages distributed at selected spanwise locations on the two blades, a total of nearly 4000 time histories were recorded for analysis at each speed. The blades used are the same blades which were tested by Sharpe, 1986 (Ref.2), in order to establish the Flap-Lag-Torsion aeroelastic stability of the rotor. Reference 2 presents, in much more detail the background of this important problem area and serves as the basis for the investigation reported here. The only other attempt made in this regard is by Lee (Ref. 3) but the method of excitation used was such that torsional characteristics could not be obtained accurately. The uniqueness of the present effort lies an the use of an excitation device which can excite a desired mode using a system of properly positioned piezoelectric crystals. The crystals are bonded to the blades and under a sinusoidal paser input, experience alternating strains which in turn are imparted to the blades through the bond. This results in a clean and reliable method of exciting the blades at their resonances. This system has been found to be effective in exciting the first five modes of the rotor system. The system is described in detail later in this report. Vibratory data has been recorded from strain gages for all test configurations at 0 and 1000 RPH and at three intermediate speeds for some configurations. The data were reduced using Fast Fourier Transform (FFT) techniques and a modal curve fitting procedure.

An accurate assessment of steady bending and torsion loads cannot be made without accurately locating the blade tension axis along the chord. This experimental program therefore, included measurement of the position of the tension axis (i.e. the position of the modulus-weighted centroid along the chord; an important section property of nonhomogeneous structural members) for the baseline configuration.

The report presents the details of the program, a discussion of results obtained along with principal conclusions reached.

#### TEST OBJECTIVES

The specific test objectives of this program were: (a) to determine the location of the tension axis of a specific blade of the rotor system in vacuum at speeds up to 1000 RPM by measuring the static lead-lag bending strain distribution, and hence bending moments, (b) to obtain the dynamic characteristics, namely strain mode shape, natural frequency and modal damping for the first five modes of the rotor by measuring the distribution of dynamic strains at predetermined locations on the blades while spinning at speeds up to 1000 RPM in evacuated conditions, and (c) to determine, through such measurements, the influence of precone, droop, pitch and pitch flexural stiffness.

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#### ROTOR MODE'.

As shown in Figure 1, the rotor model selected for the proposed study is a 6.32ft diameter isolated hingeless two bladed rotor model with a NACA 0012 airfoil having no twist or taper. This rotor constitutes configuration IIA as used in the Integrated Technology Rotor/Flight Research Rotor (ITR/FRR) Methodology Assessment Study (Ref. 1). The rotor was originally used for aeroelastic stability studies reported in Reference 2, and is described in detail therein. The blade construction outboard of the 9.5% radius consists of a unidirectional Kevlar spar and 0.003 inch (.0762 mm) thick glass fiber clath skin. The blade profile is maintained by a polyurethane foam core. Inboard of the 9.5% blade radius, the flexible blade is bonded into an airfoil shaped aluminum alloy cuff attached to the root flexures at the hub. Embedded in the leading edge are tantalum segments for center-of-gravity and cross sectional polar moment of inertia control. The cross-sectional properties were designed so that the center of gravity and the elastic axis are coincident with the quarter chord point.

The dimensionless lead-lag and first flap blade frequencies, (1.5 and 1.13 respectively), are representative of typical hingeless full scale rotors but the dimensionless first torsion mode frequencies, (2.87 with the stiff flexure and 2.56 with the soft flexure), are less than typical full scale values. The dimensionless frequencies were obtained by dividing the natural frequencies by the nominal rotor speed of 1000 RPM.

The rotor hub design permits variation of the pitch flexure (control) stiffness, along with the precone, droop and pitch angles. Two pitch flexures were used in the tests. The relatively soft one had a torsional stiffness 7.062 times that of the blade whereas the stiff one was almost 10000 times stiffer than the blade. Interchangeable hubs provided the precone angles of 0 and 5 degrees as required in the testing. The required droop angles of 0 and -5 degrees were obtained by having interchangeable wedges positioned between the blade cuff flange and the outboard face of the pitch flexure. Pitch angle settings of -12, 0 and 12 degrees for testing were obtained by rotating the blade outboard of the pitch flexure, at the interface between the pitch flexure and the droop wedge.

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The six basic rotor configuration cases that were investigated are shown in Figure 2. These were selectively combined with the three test pitch angles to give the twelve selected test configurations for which vibration data were obtained.

#### VACUUM SPIN RIG

The UTRC Centrifugal Testing Facility (Spin Rig) was designed from its inception as a research tool dedicated to measurement of the in-vacua structural dynamics of rotating blade assemblies. As shown in Figure 3, this rig is an above-ground facility with a test chamber measuring approximately ten feet in diameter and three feet in height. Principal mechanical features of the spin rig are the vacuum pump system and the rotor drive system.

The vacuum pump system evacuates the test chamber down to 100 millitorrs in less than 8 minutes. An automatic vacuum valve will isolate the test chamber to prevent air leaking in should a power failure occur.

The drive system consists of an 8-inch Barbour-Stockwell air turbine and its associated electro-pneumatic servo control throttle valve which is able to maintain required speeds at better than ± 1%. The bottom flange of the turbine is fitted with a magnetic pickup and a 60 tooth gear to provide the signal to the speed control unit. A safety interlock system protects against any loss of oil pressure, oil flow or oil level in the receivoir. A remotely operated turbine brake control will function in the event of a power failure. An overspeed trip solenoid air valve will shut off the drive air when the selected value of maximum speed is attained.

A unique feature of the facility is the base mounted rotor drive assembly which provides complete accessibility to the model rotor and unobstructed viewing through the lid from above. Figure 4 shows the conceptual arrangement of the model rotor installation in the test facility. The model was mounted to the top of the drive shaft using a special adapter. The drive shaft rotates in a squeeze film damper bearing incorporated in the sealed duplex bearing assembly mounted beneath the rig floor. The lower end of the shaft is connected to the air turbine using a flexible coupling. A 40-channel sl'p ring unit is similarly connected to the lower end of the turbine shaft. Figure 5 shows the model rotor mounted in the spin rig. Prio. to testing, with the model mounted on the shaft, the rig model frequencies, were determined using an instrumented hammer and signature analysis methods. The lovest frequency found was 88 Hz for a shaft bending mode in the direction of the blade radial axis. This frequency is above the minimum recommended in order to preclude the dynamic coupling between the rig and the rotor blade lead-lag motion from contaminating isolated blade frequency and damping measurements.

Initial runs were made to 980 RPM with the chamber evacuated down to 300 millitorrs. No indication for the nee' of balancing was evident.

#### PIEZOELECTRIC CRYSTAL SXCITATION SYSTEM

The research objectives of this program required that the technique chosen for the excitation of rotor systems should be one in which the level, frequency, and phase characteristics of excitation can be controlled. In this way, the individual modes of each blade and of the rotor could be excited at speed, to permit determination of the modal parameters from resulting response data. The Piezoelectric Crystal Excitation System developed at UTRC satisfies this requirement and was used in this program.

The piezoelectric crystal, by virtue of its unique electromechanical properties, is ideally suited for exciting structures with minimum modification of the structural mass and stiffness properties and can be used in both rotating and nonrotating tests. Piezoelectric crystals have previously been successfully used as structural exciters in studies of bladed disk forced vibrations (References 4 and 5). In the above applications piezoelectric crystals were used also as transducers to measure strain in the various structures. Excitation by crystals can be effected in two ways. In the first, a crystal sandwich is positioned between two components of the structure such that when a -oltage is applied to the faces of the crystal, relative motion between the components results. Disadvantages of this method are the change in stiffness of the structure that occurs at the crystal-structure junction and the high excitation voltages required. In the second, an elongated crystal vafer is bonded to the surface of the structure such that when a relatively low voltage is applied to the crystal, a longitudinal strain is imparted to the surface which in turn produces a local bending norent about the neutral ax's and so bends the structure. This method is obviously best suited to excite plate-like structures and was thus selected for the present application.

Crystal vafers are attached to an olade surface at locations where significant strains are expected in the modes of interest. Each blade is instrumented in this way and the crystal installations become a permanent feature of the blade assembly. Electronic circuitry has to be provided to enable the phasing between each blade exciter and input power level to be varied as required. Thus, blade modes and rotor modes can be excited.

A UTRC designed and fabricated excitation control unit provides for independent level and phase control of the a.c. voltage supplied to each of the crystals on the blades. This independent control of the phase angle between the crystals permits the optimum excitation of each mode, both symmetric and antisymmetric. Such values are dialled in for each channel at the master control panel. Phase angle is variable from 0 to 360 degrees in steps of 1.41 degrees. The amplitude control to each channel is continuously variable from 0 to 140 volts peak. The signal generator used is a Hewlett Packard Model HP 3311A with an external control unit to allow very fine frequency tuning. The ± 150 volt d.c. power was supplied by two NjE Model EA160-8 units.

The piezoelectric drive crystals attached to the blades for the present test program were of G1356 material supplied by Piezo Electric Products. They were made of lead zirconate titanate ceramic material with nickel surface electrodes. The elements, nominally measuring 1.0 x 0.5 x 0.010 inch, were epoxied directly to the upper surface of each blade as close to the cuff as possible. Two drive elements were attached to the upper surface of each blade, one above the spar and one at the trailing edge as shown in Figure 6. These locations were chosen in order to maximize excitations of all the bending and torsion modes of interest with minimum disruption of the original section properties. Two wires from each crystal were routed to remained strips bonded onto the cuff. From these, connections were made to coaxial cables which were routed down the drive shaft to connect with the four channel control console via slip rings.

#### INSTRUMENTATION

In order to measure steady bending moments at two locations on the blade and distributed vibratory blade response, two sets of instrumentation and data acquisition systems were utilized. In both cases, the required parameters were derived from the output of skin-surface mounted strain gages.

For the bending moment measurements used to locate the tensile axis, blade S/N 5 was instrumented with the same system of gages as was used in the stability investigation reported in Reference 2, i.e., the gages were mounted near the cuff in a conventional four arm bridge arrangement to measure blade flap, lead-lag and torsional moments. The flap and lead-lag gages were at 12% blade span and the torsional gages were at 14% span. Additional gages however, arranged to measure lead-lag moments, were located at 34% span. The gages were Micro Keasurements type CEA-06-187 UW-350 (for flap and lead-lag) and CEA-06-187UV-350 (for torque).

The strain gage leads were routed through the center of the drive shaft and turbine to the slip ring unit and then connected to the bridge excitation and signal conditioning system. This system was the front end portion of the Analog Data Recording System (ARES). This is a semiportable system for the automatic acquisition of static and dynamic test data with oscillatory frequency rates from zero to 20 kHz. A Exximum of 28 analog signals can be processed. Each channel incorporates independent signal conditioning and amplification. The signal conditioners were specifically designed for strain gage type transducers and provide regulated excitation up to 10 volts. The amplifiers provide voltage amplification of 1, 10, 100 or 1000, and are each equipped with low pass signal filters with roll off frequencies of 103z, 100Hz, 10kHz, and 100kHz. Signal monitoring was achieved through a single channel selectable digital display readout which includes RMS measurement capability for averaging dynamic signals. The excitation voltage used was 2.0 volts. The conditioned analog signals were then digitized using a Perkin Elmer PE3220 computer controlled data acquisition unit and the steady state responses tabulated.

Calibration of the gages was accomplished directly by applying forces and moments, using a system of weights at the blade tip, and recording gage output with the blade stationary.

For the vibratory measurements one blade, S/N 8, was instrumented extensively with strain gages at 16 locations for modal identification purposes, while the other blade, S/N 5, had gages at five locations near the root for determining modal frequencies and damping and to assess coupling between the blades.

Pretest calculations were performed to assist in locating the gages such that sets of gages would be sansitive to particular types of modes, i.e.flap, edgewise or torsion, and give a reasonable estimate of the span-vise distribution of dynamic strains in each mode.

The principal analytic tools used were the E159 preprocessor and the coupled mode (eigensolution) calculation portions of the G400 rotor aeroelastic analysis (Ref. 6). The E159 preprocessor portion of G400 calculates, from distributions of section properties, the uncoupled flatwise, edgewise and torsion normal modes. Uncoupled modes are defined to be those calculated from omitting pitch, twist, droop and precone effects. These effects were modeled using the coupled mode eigensolution calculation portion of G400. The mass and stiffness data, shown in Table 1, were distributed over 20 blade segments in a format compatible with G400 requirements. The node point locations for these segments are shown in Figure 7. The flexure was located at the first blade segment, taken just outboard of the hub. The area radius of gyration distribution along the blade was approximated by using the torsional inertia and mass of each segment.

The uncoupled bending and torsion modal characteristics of the blades were determined for each of the two pitch flexures at rotor speeds of 150, 400, 600, 900 and 1000 RPM using the E159 routine. A tabulation of the natural frequencies calculated for the first three flap and first edgewise and torsion modes versus speed is given in Table 2. In order to obtain coupled modal characteristics it was essential to include precone, pitch and center of gravity offset in the blade equilibrium calculations. This made it necessary to calculate time-history solutions prior to the calculation of the eigenvalues. The blade precone angle was defined to be the built-in angle which the blade pitch axis makes with the plane of rotation due to hub orientation at the root. Blade droop was defined as the built-in coming outboard of the pitch change bearing. Using these inputs, sample calculations were made. Difficulties were experienced with unstable solutions resulting in excessive amounts of pitch and droop for the soft flexure at high speed. Also the complex mode shapes showed an unreasonable amount of torsion in many of the modes. The frequencies however, agreed well with those of the uncoupled analysis. Further investigation of these problems was beyond the scope of the effort. Therefore, all decisions on gage location were based on the results from uncoupled analyses.

The uncoupled displacement mode shapes were examined for node position change with configuration and speed. These node excursions are shown in Figure 7. The strain gage locations were closen on the basis of maximum strain for a given type of mode with minimum response in the other types of mode. The selected locations on blade S/N 8 are shown in Figure 7 and 8. Four locations (#1, 2, 3, & 4) along the spar were selected to identify the flap modes. These were in a half-bridge hookup with a gage on the upper and lower surfaces. Three locations (#5, 6 &7) along the trailing edge on the lower surface were selected for edgewise mode identification. These were connected in a single-arm bridge arrangement using a 350 ohm resistor in the other arm. For torsion mode identification, three locations (#8, 9, 10 - #11,12, 13 - #14, 15, 16) were selected and a rectangular rosette, comprising three single-arm gages, was attached to the upper surface at each location. On blade S/N 5, the locations closest to the cuff were gaged, namely #1, 5, 8, 9, & 10.

The strain gages selected were Micro Measurements type EA-13-250BF-350 (single gage) and type EA-13-250RD-350 (rosette). Prior to instrumentation of the blades, the thermal integrity of a candidate strain gage was checked in vacuum using a gage on the spare blade. The gage (type CEA-XX-167W-350 with a grid area of 0.034 sq inch approx) was instrumented with a 1 mil K-type thermocouple connected to a data acquisiton unit. A voltage of 6.7 volts was applied across the gage in a half-bridge connection simulating the proposed test conditions using strain gage amplifier modules. In air, the steady state temperature measured was 120 degrees F and at a reduced pressure of 100 millitorr, the temperature rose and stabilized at 131 degrees F. It was concluded that the selected strain gages would be suitable for the proposed testing.

Signal conditioning was accomplished using twelve UTRC designed and built units mounted radially in the hub-to-shaft adapter as shown in Figure 5. These precalibrated units provided the half-bridge completion network, excitation voltage (6.9 volts), signal amplication ("430) and multiplexing switching control. (/ input channels, 1 output channel). Onboard amplification was required to minimize cross-talk between the strain gage signal leads and the crystal exciter supply wires going up through the center of the drive shaft.

The strain signals were filtered, digitized and recorded on magnetic tape by the computer controlled UTRC Aeromechanical Transient Logging System (ATLAS). For the present tests sampling rates of from 100 to 4000 samples/second were used to cover the required frequency range. The maximum number of data channels that could be acquired simultaneously by the ATLAS was twelve. In order to obtain correlated data from all twenty one strain sensors, a multiplexing system was employed. The strain gages were grouped into three sets with three reference gages common to all sets. The reference gages selected were at locations #1, 5, and 9. The allocation of channels in each set is shown in Table 3. When the command to acquire data was given to the ATLAS computer, the multiplexing switches in the on-board signal conditioner units were set and strains were recorded from each set consecutively as directed by the computer.

In order to allow an independent determination of modal characteristics from the dynamic tests, analog data were obtained from the "static" set of gages on blade S/N 5 and gage #1 on blade S/N 8. These time historiem were recorded on magnetic tape using a Bell and Howell Datatape VR3709B F.M. recorder. A triggered pulse was simultaneously recorded to mark the start of each transient event. The set up parameters and channel assignments are given in Table 4.

#### DESCRIPTION OF TESTS

Neutral Axis Location Texts

The objective of these tests was to determine the lead-lag moment caused by the tensile axis center-of-gravity offset without the influence of aerodynamics.

Prior to spin testing, the moment sensitive gages on blade S/N 5 were calibrated by directly applying forces and moments using a system of weights at the blade tip and recording gage output with the blade stationary. The calibration determined for the lead-lag bridge was 2.33 ft-lb/mv.

The rotor was then spun up and the output of the lead-lag bridge was recorded at speeds of approximately 200, 400, 600, 800 and 1000 RPM.

Vibratory Modal Characteristics

The objective of this series of tests was to identify, for each of twenty four distinct mechanical rotor configurations and four pitch angles, the eight lowest blade hub-fixed natural modes in terms of strain mode shape, natural frequency and damping values. Twelve configurations were tested and these are listed in Table 5. The case numbers correspond to the ITR Configuration II-A cases with subcases indicated by (a), (b) or (c) relating to the pitch angle used. Three pitch angles were tested (-12, 0 and 12 degrees). In general, data were recorded for the first three flap (1F,2F,3F), first edgewise (1E), and first torsion (1T) modes at the zero speed condition and at 1000 RPM. Data at intermediate speeds were recorded for two basic configurations.

Initial tests were performed to determine the optimum phasing of the drive crystal signals to excite all the required modes and in particular, the differential edgewise or lead-lag mode. The collective lead-lag mode was not intentionally excited.

The procedure to obtain a data record required the rig to be first stabilized at a specified speed. Then the crystals were energized at a specified voltage level and phasing. To find the system frequency, a responsive strain gage channel was monitored visually on an oscilloscope as the exciter frequency was swept slowly about the expected frequency of interest. When it was seen that the blade response was at a maximum, other gages were switched on and observed. By noting their amplitudes and

phasing, the mode excited could be identified. At this point, the excitation was switched off and data for one set of gages were acquired and recorded on magnetic tape. Data from the remaining two sets of gages were recorded for the identical conditions in the same way. Table 5 shows the order in which the tests were performed giving the configuration, speed, record number of each datapoint and the modes for which data were obtained.

Throughout the test program, a problem in the vacuum rig drive train caused an undesirable one-per-rev excitation which contaminated the crystal generated transient response data. The rotor response characteristics were composed of one-per-rev and higher harmonics, not only in the lead-lag torque mode but also in the flap and torsion modes through coupling. Particular difficulties were experienced at speeds where natural frequency order line coincidence occurred i.e., at 600 to 800 RPM (edgewise and torsion modes) and at 1000 RPM (torsion mode). It was later determined that a possible source of the roughness was a slightly damaged squeeze film damper bearing.

Following the tests on the spin rig, the dynamic gages on blade S/N 8 were calibrated in a bench test, by statically loading the tip of the blade with a series of force; and moments. The resulting sensitivities at each location for flap wise, edgewise and torsional loadings are given in Table 6 Rotor configuration was configuration #1 with zero pitch.

#### DATA REDUCTION

#### Vibratory Modal Characteristics

Data reduction programs, as described in Appendix A, were used to extract the natural frequency, damping, amplitude and phase from each recorded strain response time history. These results were then compiled and presented in tabulated form as shown in Tables 7 to 35. Because of the large number of time histories (nearly 4000) to be processed, certain rejection criteria were written into the program to remove obviously anomolous response data. The removal is indicated by a zero value in the amplitude and phase columns.

Inspection of the dynamic strain gage post-test calibration as shown in Table 6 indicates an obvious inconsistency in the sense of gages \$1, 2, 3, and 4 with the convention that tension is positive for each gage. These gages were the only ones connected in a two-gage half-bridge configuration which accounts for the sense change. In the data reduction therefore, the signs of the conversion factors used for these gages were changed. Examination of preliminary results for mode shapes indicated that the sense of gage \$8 was incorrect although no cause could be found. However, to make the mode shapes as tabulated more logical, the sign of the conversion factor for gage \$8 was also changed.

પ્રેટક એટલ પ્રેટરે કેટ કરો તે તે કેટ કેટર કરો એક કેટ કેટરે તે તે તે તે તે તે કેટ કેટરે એક કેટરે એક કેટરે કેટ ક મુશ્કાર કેટલ પ્રેટરે કેટ કરો તે તે કેટ કેટર કેટરે એક કેટરે કેટ તાલા તાલા કોઈ કેટરે કેટરે એક કેટરે એક કેટરે કેટ

#### **DISCUSSION OF RESULTS**

#### Neutral Axis Location Tests

The millivolt readings were converted to measure moments using the previously determined calibration factors. In order to relate these results with those measured statically by Sharpe in Reference 2, the equivalent tensile loads applied at the measuring section were determined for each of the speeds using the given weight distribution (see Table 1) for the blade. The measured moments are shown plotted against these equivalent tensile loads in Figure 9. The speed scale is also shown for reference. The "best fit" line through the static results obtained by loading the blade with radial forces applied at the quarter chord point at the tip as shown in Figure 49 of Reference 2 is also shown in Figure 9.

As can be seen, the slopes of the static and spin test results are essentially the same indicating that the methods are equivalent. Thus the determination of the tension axis location described in Reference 2 is valid.

#### Vibratory Modal Characteristics

The measured modal parameters (frequencies, damping and strain mode shapes) for the five modes and for all the test configurations and speeds are tabulated and presented in Tables 7 through 35. In each of these tables, the natural frequencies for both blades are shown. The mode shapes have been normalized with respect to a reference gage appropriate to each mode. The reference gage number and the normalizing factors (amplitude and phase) are shown at the bottom of each column. By normalizing on the same gage in each multiplexed set of strain data and relying on the fact that each time history was recorded at the same point relative to the input signal, a set of correlated values for all gages on the rotor is obtained. The results for blade S/N 5 are normalized separately and shown in a separate column in each table. The phase angles within ± 10 degrees of 0 or 180 degrees are rounded off to either 0 or 180 degrees respectively.

The natural frequencies for all configurations and at all speeds are tabulated and shown separately in Table 36 through 40. Variation of the natural frequencies with respect to rotor speed is represented in Figures 10 and 11 for three selected configurations only (Configurations 1(a), 2 and 6 (c)). Refer to Table 5 for the definition of each configuration. Strain mode shapes for each mode in these three configurations are represented in Figures 12 through 17.

The following observations are made with reference to the figures and tables discussed above:

Some results from the experiments, while confirming contain features that were expected, also help establish the validity of data. For example, the frequencies of flap modes increase significantly with rotor speed, whereas the frequencies of torsion and edgewise modes are less sensitive to speed. Similarly, flexure stiffness influenced the torsion mode frequency

more significantly than the bending mode frequency.

Modal strains have been normalized with respect to an "appropriate" reference gage selected at the start of the program for the purpose of correlating the three multiplexed sets of data. However, the complexity of strain distribution in the higher order and/or highly coupled modes causes other gage locations to have higher output at times. Therefore, the tabulated data and the graphical presentations occasionally show normalized strains larger than 1.0. This can be seen in Figure 17 where large edgewise strains influence the coupled "first torsion" mode.

Large edgewise strains are evidenced, the first torsion mode at high rotor speeds. These strains are two to three times the magnitude of the reference strain (gage #9). These strains appear to be larger for the stiff flexure configurations. During the tests, difficulty was experienced in exciting distinct modes around 800 RPM. This is where the predominantly first torsion and the predominantly second flap modes coalesce. Examination of Table 10 indicates that the modes at 48.5 and 49.4 Hz shown in Figure 10 are essentially the same i.e., a highly coupled second flap mode with a large first torsion component. Apparently, the first torsion mode was not sufficiently excited and consequently, was not recorded.

The measured second flap and first torsion modes are not pure modes and this feature is evident even at speeds removed from that at which the frequencies coalesce. For example, at 600 RPM the nominal second flap mode contains 27% torsion and the nominal first torsion mode contains 114% bending strain content. These reach 118% and 70% respectively at 800 RPM and continue to maintain this highly coupled nature at 1000 RPM.

Structural damping measured in all the modes was found to be low (less than 1% critical).

#### CONCLUSIONS

Basic vibratory characteristics have been measured for the two bladed helicopter rotor blade system under carefully controlled laboratory conditions. The vibratory strain and frequency data taken over a range of speeds up to 1000 RPM for several combinations of precone, droop and flexure stiffness can be used to calibrate structural dynamic analyses codes. Strong coupling exists between modes (especially between torsion and flap modes and edgewise and flap modes) and the influence of this coupling in terms of forced vibration, as well as aeroelastic stability, could be significant.

Vibratory strain distributions at speed are quite different from those at rest indicating the need to calculate mode shapes at speed accurately so that reliable calculations may be made to determine the susceptibility of the rotor to aeroelastic instabilities. It should be noted that strains, not displacements, were measured in this program and therefore, it would be necessary to calculate displacements from the strain surface and/or measure

the displacement field directly. As the blade displacements constitute an important input into any aeroelastic stability calculations, it would be desirable to have a data base of displacements for the purpose of direct calibrations of structural dynamic analyses.

It was found that the frequencies of the two blades were slightly different from each other. Therefore, one blade could be excited at its resonant frequency while the other is slightly off resonance. This tends to make excitation of rotor modes difficult. Studies need to be undertaken in regard to determine whether the aeroelastic stability of a rotor could be improved by deliberately mistuning the blades.

The quality of data taken in this program is somewhat influenced by the presence of an extraneous one-per-rev excitation that could not be eliminated since it would have required complete disassembly of the rig.

It was shown that all modes of interest of the rotor could be excited through the piezoelectric crystal excitation system and therefore the system represents a reliable and accurate method of inducing vibrations of similar components in an experimental program.

Tension axis tests at speed have confirmed that the modulus-weighted centroid for the nonhomogeneous airfoil is slightly off the mass centroid and validate the static method of determining the tension axis location described in Reference 2.

#### APPENDIX A

#### DATA REDUCTION PROCEDURES

The reduction procedures for the vibratory strain response data from the model rotor tests in the vacuum spin rig test facility are presented in this appendix. The strain response data were recorded in digital form on four separate magnetic tapes by the ATLAS data acquisition system. These data contain twelve different rotor configurations derived from two different pitch flexures and various pitch, droop, and precone angles. For each configuration, the rotor speed was varied between 0 and 1000 RPM. and at each rotor speed, the two places straightful as blade number 8 and 5), were excited at each of their first five natural frequencies by piezoelectric crystals. Detailed parameters for the configuration, the rotor speeds, the fundamental modes, the record numbers, and the tape numbers are summarized in Table 5.

The strain responses at various points on the blade surfices were recorded by twenty one (21) strain gages. These strain gages are grouped into three different sets as shown in Table 3. The bridge configurations and conversion factors for coch strain gage output from voltage to micro-strain are also presented on the same table. It was found that a total of approximately 4,000 strain response signals needed to be processed.

The data for each multiplexed set (or 'mux') were taken at three different instances in time and common reference channels were established in order to correlate these data. The amplitude and phase angle from one of the three common channels (or common gages) were used as normalizing factors in the presentation of mode shape results.

In the sections which follow, the four steps involved in this strain data reduction are presented. They are: (1) modification of existing UTRC modal analysis computer programs (2) preparation of the run-point specification input files (3) evaluation of the frequency and damping results for all cases, and (4) compilation of the mode shape results for all cases.

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#### Modification of Modal Analysis Computer Programs

The existing UTRC modal analysis computer programs were updated for extracting the modal parameters from the strain gage responses described above. Figure 18 depicts the program logic established for this analysis.

The strain response data were sequentially recorded on magnetic tape. In order to retrieve and process a specific record from these tapes, the computer first reads a set of the run-point specifications from a input data file. Detailed discussions of this input data file are given in the next Section. In this input data file, if the run number (which is also called record number in this report) is zero, the program goes back to read another set of the run-point specifications. If the run number is less than zero, the program stops. This setup provides a high degree of flexibility in executing the program using the same imput data file. If the run number is greater than zero, the computer searches for the same run number from the magnetic tape. If the run number on the tape matches that given in the input data file, then the two modal analysis programs are called in to perform the modal parameter estimates. The algorithms of these two modal analysis programs are described in Figures 19 and 20, respectively.

Due to a large number of time histories involved in this study, two different techniques were used for different purposes. The first one, which is based on the complex, exponential, modal curve fitting algorithm (Figure 19) is used for processing the data of the reference channel only. The second technique uses the FFT frequency spectrum interpolation formula (Figure 20) and is applied to all channels except the reference channel.

In Figure 19, the x(t<sub>1</sub>) represents the time histories to be analyzed, and curve-fitted by an analytical formula represented by Y (t<sub>1</sub>). The data point index j varies from 1 to N (number of points). Y (t<sub>1</sub>) is essentially a summation of several damped harmonic wave forms containing four parameters for each mode. These parameters are the damping value ( $\xi_m$ ) the frequency ( $2\pi f_m$ ), the sine and cosine coefficients ( $A_m$ ,  $B_m$ ), where m is the mode index varying from 1 to NM (number of modes). The analytical values for Y (t<sub>1</sub>) are obtained through a least squares curve fit between Y (t<sub>1</sub>) and X (t<sub>1</sub>) for all data points.

When the FFT program is executed, an amplitude plot will be obtained as shown in Figure 20, and a phase angle plot (not shown). The frequency resolution of the FFT spectrum will depend on the sampling rate ( $f_s$ ) and the number of data points used in the FFT analysis. The true frequency (f), true amplitude (A), and true phase( $\phi$ ) may be located between any two frequence bins  $f_u$  and  $f_{u+1}$ . The formulas used to compute these true modal parameters for the boxcar window are presented in the same figure.

The time domain modal curve fitting (MCF) has proven to be a very reliable and efficient way of extracting the modal frequency, damping value, amplitude and phase angle from a transient response signature.

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Although the UTRC modal curve fitting program can fit up to four modes from any time histories, a bandpass filter was also used in conjunction with this MCF program to isolate only the principal mode of interest.

Because the damping value should be the same for all gages in the same mode, the MCT program is used only in processing the data of a reference channel. For the mode shape information, the FFT spectrum interpolation formulas shown in Figure 20 were used. These formulas have been used in many studies and have proved to be very efficient and reliable. By properly combining the MCF and FFT spectrum interpolation algorithms, it was estimated that a net saving of approximately 80 percent of computer CPU time was achieved.

#### Input Data Files of Run-point Specifications

In order to run the modal analysis computer program, an input data file for each configuration under consideration must be prepared. Figure 21 shows an example case of this input data file. In the input data file, the run number, the mux number, the plot option, the excitation frequency, the bandpass filter cutoff frequencies, the reference channel, the data length to be used for modal curve fitting, the time window function (for this study the boxcar window is used), and the channels to be processed are specified.

Execution of this computer program can be either in active mode (primarily for obtaining the time series and PFT plots) or batch mode by simply assigning a value of 0 to 1 or the IOPT parameter. IOPT = 2 is assigned if only the reference channel is of interest.

In assigning the bandpass filter cutoff frequencies, we have considered the excitation frequency, the data length, and the sampling rate used in obtaining the digital response data. These relationships are given in Table 41. The bandpass filter is used not only to isolate the principal mode for obtaining a filtered time series from the reference channel for modal curve fitting, but also is used for specifying the frequency range for FFT spectrum interpolations in the remaining channels.

It was found that some gages often have very high noise-to-signal ratios. Sometimes, there exists a very high peak near the principal mode in the FPT spectrum. In these cases, the bandpass filter essignment is not enough for rejecting the noise. It would require some additional specifications, such as the actual excitation frequency, or the number of the mode to be considered in the modal curve fitting program. These are provided through the input parameters of "HURZ" and "NH".

If a data array contains zero values throughout the entire time history, the program will print out a message and skip that channel. If the FFT spectrum contains no apparent peaks inside the bandpass filter, the program will print a different message and also bypass that channel. In either case, the amplitude and phase in the mode shape table are replaced by zero values. If the amplitude and phase for the reference channel are zero (either no signature or no apparent mode within the bandpass filter), the program will search for a maximum amplitude in the mode shape table and perform modal curve fitting on that channel to obtain the damping value estimate.

#### Evaluation of Prequency and Damping Results

The UTRC modal analysis computer programs can provide graphic outputs (Figures 22 to 24) as well as tabulated results (Figures 25 to 27). In the early stage of this data reduction, efforts were concentrated on checking the calibration constants used in the data acquisition system, and those recorded on the tape for the baseline case (Case 2 of Table 5). The plot option was turned on to obtain all plots for the time series, FFT spectrum, the input signals and results from the curve fitting program.

The frequency and damping estimates for the baseline case were carefully evaluated through cross examinations of the signature and the FFT plots (Fig. 22), and the inputs and results of the curve fitting (Fig. 23), and the ATLAS tape dump( Fig. 25). Some minor errors were discovered in the ATLAS data acquisition system software, but they were corrected through the data processing programs later.

Section .

Figure 22 shows a typical strain response time history and its FFT spectrum from channel 1 of record 588. The test condition, the date, the rotor configuration, and the sampling rate used in obtaining the digital data arc clearly indicated. This represents one of the better signals available for analysis. It was found that the small peak appearing at 20 Hz on FFT plot had caused some disturbances in the time series plot. However, when the bandpass filter is applied, the filtered time history, shown in the upper frame of Figure 23 became much smoother. The lower frame of the same figure shows the curve fitted results, which agree very well with the inputs. Figure 24 shows the strain response from channel 5 of the same record. It can be seen that this signature contains a substantial amount of noise. The modal analysis algorithms described above were able to extract the modal information without any difficulty.

In addition to the above output, the program also provides three more outputs as shown in Figures 26 to 28. Figure 26 gives detailed lists of the modal curve fit and the FFT spectrum interpolation results. In the modal curve fitting, the frequency, damping, amplitude, and phase angle were estimated simultaneously. In the FFT spectrum interpolation, only the frequency, amplitude and phase angle were estimated. At the end, a summary of the modal analysis for that particular record (run) is printed.

#### Compilation of Mode Shape Results

As mentioned earlier, a total of 21 gages were used for obtaining the strain responses for the two blades. These gages were grouped into three separated sets. Figure 27 shows how the results are correlated for obtaining the mode shape information. Because only the channel number can be specified in the input data file instead of the gage number, special care was made to separate those gages from blade S/N 8 and blade S/N 5 in the third set. After that, the amplitude and phase angle of the reference gage in each max were used as references for obtaining the normalized mode shapes. The frequency and damping values listed in Figure 27 are the averaged values obtained from the three separate records for a reference gage on blade S/N 8. For blade S/N 5, the damping value was not calculated and only the frequency value is tabulated.

An output data tape was also prepared, which contains the processed results as shown in Figure 28. The tape is written in ASCII format and has a block size of 80 bytes.

The data are organized in accordance with the run number. For each run record, there are two groups of data. Group-1 occupies only one data block and contains the data for the record number, the mux number, the number of channels to be included in Group-2, the frequency (Hz), the phase angle (degree), the normalizing amplitude (nicro-strain), and the reference phase (degree) in that order. These data are written in a FORTRAN format of (3(1X,14), 4(1X, E14.8)).

Group-2 will occupy several data blocks depending on the signal condition for each channel in the same record. The parameters persented in this group are the channel number (not the gage number), the normalized amplitude, and the corrected phase angle with respect to that of the reference channel. These are written in a FORTPAN format of (2X, I4, 2(2X, E14.8)).

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TABLE 1 ROTOR SPANVISE DISTRIBUTION OF MASS PROPERTIES AND STIFFNESS

Blade Station (in)	Weight lb/in	EI lb-in 10 <sup>6</sup>	BI lb-in 10 <sup>6</sup>	GK 1b-in 10 <sup>6</sup>	I lb-in µe/in 106
.701	.292	20.0	20.0	19.6	
.725	.292	.161	.199	<b>.0</b> 00327	
.813	.292	.161	.199	.000327	
.813	.0115	.161	.199	.000327	
1.415	.0115	.161	.199	.000327	
1.415	.303	.161	.199	.000327	
1.539	.303	.161	.199	.000327	.543
1.539	.560	.161	.199	.000327	.543
1.626	.560	.161	.199	.000327	.543
1.651	-560	21.9	21.9	19.6	.543
1.665	.560	21.9	21.9	19.6	.543
1.665	.713	21.9	21.9	19.6	.543
1.726	.713	21.9	21.9	19.6	.543
1.726	.558	27.2	27.2	19.8	.494
2.101	.558	27.2	27.2	19.8	.494
2.101	.295	18.2	18.2	7.28	.165
2.301	.295	18.2	18.2	7.28	.165
2.301	.149	.300	30.3	1.80	.213
2.401	.149	.300	30.3	1.80	.213
2.401	.136	.242	21.8	1.66	.213
3.601	.136	.242	21.8	1.66	.213
3.601	.0193	.00569	.120	.00177	.0179
37.851	.0193	.00589	.120	.00177	.0179

TABLE 2 CALCULATED BLADE NATURAL FREQUENCIES (Uncoupled Modes)

Frequency Hz.

<u>Plex</u>	Speed RPM	Mode: lst Flap	2nd Flap	3rd Flap	lst Edge	lst Tor.
Stiff	150	5.92	32.61	89.38	22.44	38.93
Soft	150	3.90	32.51	88.99	21.76	32.03
Stiff	400	9.23	36.62	93.62	22.69	40.77
Soft	400	9.21	36.51	93.22	21.99	33.90
Stiff	600	12.50	41.77	99.44	23.05	43.33
Soft	600	12.48	41.66	99.03	22.33	35.97
Stiff	800	15.92	48.04	106.99	23.54	46.09
Soft	800	15.90	47.91	106.55	22.78	38.22
Stiff	900	17.66	51.46	111.29	23.33	47.51
Soft	900	17.63	51.32	110.84	23.04	39.39
Stiff	1000	19. 40	55.01	115.89	24.15	48.98
Soft	1000	19.36	54.87	115.42	23.33	40.57

TABLE 3 STRAIN GAGE CHANNEL ALLOCATION AND CONVERSION FACTORS

Hux No.	Channel No.	Gage No.	Blade No.	Bridge Configuration	Factor for $\mu\epsilon$
1	1	<b>'1</b>	E	1/2	-321
1	2	2	8	1/2	-321
1	3	2 3 4	8	1/2	-321
1	4	4	8	1/2	-321
1	5	5	8	1/4	+642
1	6	6	8	1/4	+642
1	7	7	8	1/4	+642
1	8	8	8	1/4	-642
1	9	9	8	1/4	+642
1	10	10	8	1/4	+642
2	1	1	8	1/2	-321
2	2	11	8	1/4	+642
2	3	13	8	1/4	+642
2	4	14	8	1/4	+642
2	5	5	8	1/4	+642
2	6	15	8	1/4	+642
2	7	16	8	1/4	+642
2	8		8	1/4	+642
2	9	9	8	1/4	+642
2	10	12	8	1/4	+642
3	ī	1	8	1/2	-321
3 3 3 3	2		-	1/4	+642
3	3	5	5	1/4	+642
3	Ă	5 8	5	1/4	+642
3	5	5	8	1/4	+642
3	6	9	5	1/4	+642
3	7	ío	Š	1/4	+642
ž	8			1/4	+642
3 3	ğ	9	8	1/4	+642
3	10	í	Š	1/2	+321

Parameters assumed constant for each module or gage: gage factor = 2.1, excitation voltage = 6.9, module gain = 430

TABLE 4 PM TAPE RECORDER SET-UP

Channel	Input Volts pk-pk	Output Volts pk-;∴'	Band Vidth Hz	Paramater Assignment	Blade Mode
1	4.0	1.414	5	BL5 GA1 ARES CH1	Flap
2	3.5	1.414	5	BL5 GA2 ARES CH2	Edgevise
3	2.0	1.414	5	BL5 GA3 ARES CH3	Torsion
4	3.5	1.414	5	BL5 GA4 ARES CH4	Edge O/B
5	8.0	1.414	5	BL8 GA1 ATLAS CH1	Flap
6	7.0	1.414	5		
7	4.0	1.414	5		
8	7.0	1.414	5		
9	5.0	1.414	5	One per Rev.	
10	5.0	1.414	5	Transient Pulse	
11	1.414	1.414	5	Cal Signal 1 kHz	
12		1.414	5		
13		1.414	5		
14	Voice	1.414	5	Voice	

TABLE 5 TEST CONFIGURATIONS AND HODES ANALYZED

ITR Case	Flex	Co Pitch	nfigurat: Precone		Rotor RPM	Modes Analyzed	Record No.	Tape No.
<u> </u>								
1(a)	Stiff	0	0	0	0	1F, 2F, 3F, 1E, 1T	7-112	2
- ,					400	1F, 3F, 1E, 1T	202-216	2
					600	1F, 2F, 3F, 1E, 1T	218-233	2
					800	1	235-251	2233333333333
					1000		254-272	2
1(b)	Stiff	12	0	0	1000	•	301-316	3
					680	1F,2F,3F,1E,1T	317-334	3
5(a)	Stiff	0	0	-5	0	1	401-418	3
					1000		419-439	3
5(b)	Stiff	12	0	-5	1000	i i	440-459	3
					0	1F,2F,3F,1E,1T	464-478	3
6(a)	Soft	0	0	-5	0	1F,2F,3F,1E,1T	479-496	3
					410	1F,1E	521-526	3
					710	1F,2F,1E	512-520	3
					1012	1F, 2F, 3F, 1E, 1T	497-511	3
6(b)	Soft	12	0	-5	0	2F,3F,1E,1T	527-541	4
					1000	1F,2F,3F,1E,1T	542-559	4
6(c)	Soft	-12	0	-5	0	1	558-572	4
					1000	b .	573-587	4
2	Soft	0	0	0	0	1F, 2F, 3F, 1E, 1T	538-607	4
					775	1F,2F,1E,1T	626-637	4
					1000	1F, 2F, 3F, 1E, 1T	603-625	4
4(a)	Soft	0	5	0	0	1F, 2F, 3F, 1E, 1T	638-652	5
					1000	1	653-669	5
4(b)	Soft	12	5	0	0		670-686	5
					920			5
					-1000		<b>687-7</b> 03	
3(a)	Stiff	0	5	0	0	l	704-720	5
					1000		721-735	5
3(b)	Stiff	12	5	0	0	1	751-768	5
_					1000	2F, 3F, 1E, 1T	736-750	5

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TABLE 6 POST TEST STRAIN GAGE STATIC CALIBRATION

#### STRAIN GAGE SENSITIVITY

Gage/Loading	Flap µe/lb	Lead/Lag µc/ft.lb	Torsion	με/ft.lb
	Tip Up	. L/F Porward	L/E Up	L/E Down
•				
1	1304	-8	-87	20
2	1023	-4	-105	2
3	698	1	- 66	- 11
4	381	1	-101	- 151
5	201	201	-109	- 140
6	89	160	- 48	- 127
7	92	140	35	22
8	-1124	43	319	205
9	- 460	35	1498	1725
10	135	- 15	9	13
11	- 752	22	131	105
12	- 329	118	1795	1616
13	132	- 9	22	92
14	- 219	6	57	61
15	- 88	- 7	1169	1655
16	41	- 2	44	44

RECORD (10 e) 7 RECORD (10 e) 8 RECORD (10 e) 9 RECORD (10 e)	- 0.000 0.0 - 0.000 0.0 1 0.000 0.0 1 1.000 0.0 1 1.000 0.0 1 8.682 293.0 ADE 91. DAMPINC 0.63 2 RECORD MO- 3 RUX 3 (BLD 9) 368 (MU-STRN) (DEG)
\$66 (NU-\$7RN) (DEG) \$66 (NU-\$7RN) (DEG) \$68 (N	\$60 (MU-STRN) (DEG) - 0.000 0.0 - 0.000 0.
1 0,000   0.8   1 0,000   0.0   0.000   0.0   0.000   0.0	10000000000000000000000000000000000000
10 0.000 0.0 12 0.000 0.0 - 0.000 0.0 0.0 0.0 0.0 0.0 0	- 0.003 0.0 1 1.000 0.0 1 8.882 293.0 ADE 51. DAMPING 0.63 E AECORD NO 3 AUX 3 (8LD 5) 3G8 (MU-STRN) (DEG)
RODE- SF, RPM- O, FREQUENCY- 32.37 HZ (BLADE 8). 33.03 HZ (BLADE 8	1 8.882 293.0  ADE 51, DAMPING 0.63 2  AECOGD MOT 3, 3  MUX 3 (ELD 5)  368 (MU-STRI) (DEG)
RECORD (00 6) 1 REC ORD (00 6) 2 RECORD (00 6) 3 RUX 3 (0LD 6) 4 RUX 3 (0LD 6) 6 RUX 3 (0LD 6) 7 RUX 3 (0LD 6)	AECORD NO 3 MUX 3 (ELD 3) ANP PMS 1 (MU-STRH) (DEG)
SGS ARP PHS SGS APP PHS DCS APP PHS (RU-STRM) (DEG) (PM-STRM) (DEG)	SGS (NU-STRN) (DEG)
SGS ARP PHS SGS APP PHS DCS APP PHS (RU-STRM) (DEG) (PM-STRM) (DEG)	SGS (NU-STRN) (DEG)
	~ ଜୁ-ରୁଡ଼ୁହ ଜୁ-ନୁ
9 0000 100 1 0000 000 000 000 000 000 00	
10 0.000	ī 1.868 <b>8.</b> 8
MF 1 34,395 167.4 1 34-109 145.6 1 33.779 140.7	1 14.025 140.7
ADDE- 3F. RANG O, FREQUENCY- 91.41 MZ (BLADE 8., 90.81 MZ (BL	ADE 53. DAMPING- 0.57 E
RECORD ND. 1 RECORD ND. 2 RECORD ND. 3	RECORD ED 513
SGE (NU-STAN) IDEG! (NU-STRY) (DEG! SGE (NU-STRN) (DEG!	SCO (RU-STRN) (DZG) - 0.000 0.0
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
4F 1:000 0:0 1:000 0:0	1 15.573 -68.2
MOUTE IE. MAN. O. FREQUENCY- 24-02 MZ (BLADE 6). 24-03 MZ (BL	ADE 51. DARPING - 0.60 E
RECORD NO. 104 RECORD NO. 105 RECORD LD. 104 MUX 1 (8LD 8) RUX 2 (8LD 6)	RECORD NO. 106 NUE 3 13CO 51
SGO AND PHS SGO AND PHS SGO AND PHS (MU-STAN) (DEG)	INU-STRNI (DEG)
1 0.002 -120.0 11 0.000 0.0 1	10.600 6.00 10.600 6.00 10.600 6.00 10.600 6.00 10.600 6.00 10.600 6.00 10.600 6.00 10.600 6.00
ms 1.000 0.0 1.000 0.0 1.000 0.0	5 1-797 144-4
	ADE 51. DARPING. 0.65 E
RECORD NO. 110 RECORD NJ. 111 RECORD NO. 112 NUK 2 (8.0 8) NUK 3 (8LD 8)	RECORD NO. 112 NO. 3 (BLD 5)
SGO AMP PMS SCO AMP PMS SGO AMP PMS SGO (MU-STRM) EDEGI	SCH (HU-STEN) (DEG)
1 0.000 0.0 1 0.00	- 0.000 0.0 - 2.000 0.0 - 2.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0

ADDE: Fo RAM- 400, FREDUENCY* 9.53		HZ (BLADE 51. DAMPING- 0.22 X
RECORD NO. 202 RECORD NO. NUX E (BLU 8) RUX 2 (BLD	203 RECORD NO.	RECORD NO. 204
SG# ARP PHS SG# ARP (NU-STRN) (DEG) (NU-STRN)	PHS SGE ARP (DEG) (MU-STRM)	PHS SGO (MU-STRN) (DEG)
	0.0 1 1.000 1.000 - 3.000 1.000 - 6.000	0.0
	160.0 - 6.000 180.0 5 6.137 100.3 - 6.000	0.0 2 0.000 0.0 0.0 2 0.183 0.0 180 2 0.185 0.0
6.031 186.0 5 6.134 6.031 186.2 15 0.026 7.55 16 0.000		180.5 — 0:109 0.0 0.0 10 0:220 180.0 0.0 - 0:000 0:0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 = 0.000 8.0 = 0.000	
WF 1 11.869 -05.9 1 8.925	14.4 1 12.022	
## ## ## ## ## ## ## ## ## ## ## ## ##	HZ (BLADE 0), 32.30	HZ (BLADE 57. DAMPING- 1.39 Z
RECORD VO. 205 RECORD HO RUX 2 (820)	RECORD HO.	207 RECORD NO. 207 NUX 3 (2LD 5)
SGB (ACTEN) (DEG) SGB (ACTEN)	Sea Tara Giran	IDEC SE (NU-STAN) IDEC
00000000000000000000000000000000000000	0.0 1 1.000 - 0.000 - 0.000 - 0.000	0.00
1 0.085 0.00 11 0.588 0.651 100.00 13 0.088 0.15 100.00 19 0.389 1.384 0.00 19 0.00	180.0 - 0.000 - 0.1 5 3.445 160.0 - 0.000	0.3 - 0.00 100 0 0.3 - 1.00 100 0 0.3 - 1.00 100 0
6 0.675 -18.8 15 0.21g 0.003 -18.8 16.649 0.003 -18.8 16.649	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	0.0 - 0.000 1000 - 0.000	1000 000 000 000 000 000 000 000 000 00
NF 1 24.941 159.9 1 27.328 -	171,5 1 176	21.7 1.000 0.0
RODE- 3F. RPM- 400. FREQUENCY- 95.89	HZ (BLADE 8)+ 96-13	
RECORD HO 208 RECORD MO.	RECORD NO.	110 RECORD NO. 210
SGO (RU-STRN) (DEG) SGO (RU-STRN)	IDEC SG# AMP-STANS	PHS SGE APP PHS (DEG)
1 1.000 10.0 1 1.000 2 9.501 10.0 11 0.614 3 1.7 12.0 13 0.181 4 1.7 0.0 14 0.810	100.0 1 1.007	00000000000000000000000000000000000000
\$ \$ 17 187 5 13 6 181 \$ 1.05 187 18 18 18 18 18 18 18 18 18 18 18 18 18	160.0 - 0.00 0.0 - 0.00 160.0 - 0.100 180.0 - 0.150	20.00 - 130.00 Logo - 130.00 L
	626.6 6.666	
\$ 0.637 0.0 0.000 10 0.670 100.0 12 0.373	10.0 - 0.505 10.0 - 0.505	10 00 00 00 00 00 00 00 00 00 00 00 00 0
		-114.5 1.000 0.0
		MI IBLADE 51. DARPING- 0.61 %
BECORD NO. 211 RECORD NO. NUX 2 (BLD		51) KECG30 MO 513
Sea (un-zika) (dee) 20a vuu-zika)	(DEG) See (MU-STRM)	IDEG) SG (MU-STAN) (DEG)
1 0.000 0.0 1 0.00 2 0.000 0.0 11 0.079 3 0.009 49.1 13 0.035 4 0.027 43.7 14 0.000	0.0 - 0.000 100.0 - 0.000	00000000000000000000000000000000000000
4 0.027 43.7 14 0.000 4 1.600 0.0 5 1.600	0.0 5 1.000	2:5 ± 6:133 100:0
1 1 000 0 0 5 1 000 1 0 0 0 0 0 0 0 0 0	1000 5 1000 1000 - 0.000 51.7 - 0.000 1000 - 0.000	
9 0.054 -0.09 9 0.054 -0.09 10 0.071 133.0 12 0.024	100.0	1.6.3
4F 5 17.508 -22.1 5 29.245	-61.6 5 21.39+	-44.7 5 15.938 130.3
MODE- 17, RPH- 400, FREQUENCY- 45.00		HE ISLADE ST. DAMPING 0-57 E
MECOND AG. 510 MECOND NO.		
SGE (RU-STRM) (DEG) SGE (RU-STRY)	IDEE) Zes (MN-Ziget	PIS SGB (AU-STAN) (DEG)
1 0.005 100.0 1 0 127 2 0.015 150.0 11 0.000 3 0.002 10.1 13 0.000 5 2.56 20.5 15 0.000 6 1.501 20.3 16 0.000 7 1.501 20.3 16 0.000 6 1.000 21.3 16 0.000 6 1.000 21.3 16 0.000	180.0 1 0.0% 180.8 - 0.030	-72.5 - 0.000 0.00 0.00 - 0.000 - 0.00 10.00 - 0.000 - 0.00 10.00 - 0.000 0.00 10.00 - 0.000 0.00
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33.5	103.3 - 0.603 0.0
\$ 1.505 20.5 15 0.540 \$ 1.505 20.4 15 0.540 \$ 1.505 20.3 16 0.031 \$ 9.405 21.3 - 0.005 \$ 1.505 0 0 0 0.005 \$ 1.505 0 0 0 0.005 \$ 1.505 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	127.0 - 0.000 - 0.000	103.1 - 0.603 - 6.0 0.0 10 0.652 180.0 0.1 - 0.000 0.0 0.1 - 0.000 0.0
\$ 9.400 21.3	0.0 - 0.000 0.0 - 0.000	5:3 7 8:508 8:6
uf 9 4.640 -75.8 9 4.737 -	•	-1.7 * 1.021 176.7

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MODE 15. RP No 600.	FREQUENCY+ 12.75 HZ IBL	ADE 81. 12.84 HZ (BLAG	E 51. DARPING 0.14 I
RECORD NO. 214	RECORD NO. 219	MOX 3 (BLD 6)	RECORD NO. 220 MUX 3 (BLD 5)
SGB AMP PHS (MU-STRN) (DEG)	SGE AMP PHS	SGE CHU-STRNE CDEGE	SGP (NU-STRN) (DEG)
1 1.000 0.00 1 8:119 8:8 1 8:100 1.000 1 8:1000 1.000 1 8:	1 1.000 - 0.0 11 0.773 - 20.0 12 0.000 - 1.007 13 0.000 - 1.007	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 1.0 - 0.000 1.0 - 0.000 0.0 - 0.000 0.0	- 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000
10 0-097 1#0-5	19 0:000 100:0	- 0.000 6.5	1 1:888 8:8
NF 1 25.221 -176.6	1 24.721 131.2		1 5.430 -131.0
MODE - 25, RPM - 600,		ADE B1, 42,49 HZ (BLAS	
RECURD ND. 321 Nux 1 (BCU 6)	AFCORD NO. 222	RECORD NO. 223 MUX 3 (DLD 8)	RECORD (BLD 31)
SGO (MU-STRN) LOEMS	SGS ASP PHS (RU-S'RN) (DEG)	SGS (NU-STRN) (DEG!	SGS (RU-STRN) (DEC)
00000000000000000000000000000000000000	1 0.000 -102.00 11 0.000 -100.00 12 0.000 -100.00 13 0.000 -000 14 0.000 -000 15 0.000 -000 16 0.000 -000	1 1 0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 0.0 5 10.500 - 0.0 10.500 - 0.0 10.500 - 0.0 10.500 - 0.0 10.500 - 0.0 10.500 - 0.0 10.500 - 0.0
ME 1 55-845 169-3	1 14.043 -170.2	1 15.479 110.5	1 6.837 207.2
400E- 3F. RPM- 600.	FREDUENCY-101-45 HZ (BL	ADE 81. 101.44 MZ (BLA)	
RECORD WD. 224 MUX 1 (3LD 8)	RECORD NJ - 275	RECORD NO. 227 MUX 3 (8LD 8)	RECORD NO. 227 NUX 3 (BLO 5)
SGS AND PHS	**********	SGO ANY PHS (MU-STRM) (DEG)	SCO AMP PMS
10000000000000000000000000000000000000	1 1.000 11 0.000 12 0.000 14 0.000 15 0.000 15 0.000 15 0.000 17 0.000 17 0.000 17 0.000 17 0.000	1 1.000 - 00000 - 000000 - 00000 - 00000 - 00000 - 00000 - 00000 - 00000 - 0000000 - 00000 - 00000 - 00000 - 00000 - 00000 - 00000 - 000000 - 00000 - 0000	- 0.000 0.00
400E- 18, RPM- 650,	FREQUENCY + 24.50 HZ (BL	ADE BI. ZA.AB HI (BLA)	DE 51. DARPING. 0.70 %
RECORDING: 83"	RECORD NO. 229 NUX 2 (8.0 8)	#EC040 #0. 230	RECORD NO. 230
SGO LAU-STENS LDECT		SGF ETP EMS (AU-STRN) (DEG)	SGO (MU-STRM) (DEG)
	1 0 030 -130.3	1 6.833 138.6	- 6-000 0.0
1 0.039 -119.5 0.026 -139.6 0.000 0.0 1.000 0.0 1.000 0.0 0.025 20.6 0.025 20.6 0.029 0.0 0.000 0.0 0	11 00000 -1 00000 11 00000 12 000000 12 000000 12 00000 12 00000 12 00000 12 00000 12 00000 12 00000 12 00000 12 00000 12 000000 12 00000 12 00000 12 00000 12 000000 12 00000 12 00000 12 000000 12 00000 12 00000 12 00000 12 000000 12 00000 12 00000 12 00	1 G:000 178:5 = 8:000 8:5 - 6:000 8:5 - 6:000 8:5 - 6:000 8:5 - 71:000 - 107:6	- 0.007 - 0.007
ADDE- 11. RPM- 650.	FREQUENCY" 44.31 M2 (8)	ADE BIT 44.43 MZ (BLAC	35 51. DAMPING0.18 1
RECORU NO. 231 MUX 1 (BLO 8)	RECORD NO. 232	RECORD NO. 233 NOX 3 (BLD 6)	RECORD NO. 233
SGE AND PHS	SCO MAN COECT	SCO ARP PHS (MU-STRN) (DECI	SEE (NU STEN) (DEC)
1 1-136 180.0 2 0-76 145.9 3 0-96 00.0 4 14.0 4 14.0 4 14.0 4 14.0 6 14.0 7 14.0 8 14.0	1	1 0.770 180.0 - 0.700 0.00 - 0.000 0.00 1 0.000 0.00 - 0.0000 0.00 - 0.0000 0.00 - 0.0000 0.00	- 0.000 0.0 - 0.000 0.0
WF 9 _7.490 -55.5	4 4.148 -4814	A -0.7- 84.84	

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MODE- 1F, RPM- 800.	FREQUENCY= 16.30 HZ ESL	ADE 0), 16.45 HZ (BLA)	
RECORD NO. 235 MUX 1 (8LD 8)	RECORD NO. 236 NOT 2 (BLD 8)	RECORD NO. 237	RECORD NO. 237 RUX 3 (BLD 5)
SGB AMP PHS (MU-STRM) (DEG)	SGF AND PHS	SGR (RU-STRN) (DEG)	SG (MU-STRN) (DEG)
1 0 979 0 0 1 0 973 0 0	1 1.000 0.0 11 0.000 0.0 13 0.000 0.0 14 0.000 0.0	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0	- 0.000 0.0 5 0.273 -1.68
3 0.037 0.0 5 0.104 -105.5	14 0.000 0.0	- 0.000 0.0 5 0.355 • • • • • •	<u> </u>
7 0:077 -100.7	16 0.024 140.0	- 0.000 0.0	10 0 100 100 0
10 8:10 1.88	9 0.412 0.0 12 0.070 0.0	- 0.000 C.3 - 0.000 C.3	10 0.130 1.800 - 0.000 0.0 1 1.000 0.0
NF 1 26+895 97+1	1 22,992 116,6	1 20.984 -42.5	1 25.409 17.7
MODE- 2F, RPM- 800,	FREQUENCY- 49.40 HZ (BL	ADE 81+ 50-18 HZ (8LAC	E 51. BARFING- 0.24 I
MUR 1 (BLO 8)	RECORD MO. 239	RECORD NO. 240 NUX 3 (BLD )	RECOSE NO. 240 NUX 3 (BLD 5)
SGS ANP PUS (MU-STRM) (DEC)		SGR JAP PHS	SCO CHU-SIGN) IDECT
1 1000 118000 000 000 000 000 000 000 00	1 1.000 10.00 11 0.135 180.00 14 0.000 10.00	1 1.000 6.3 - 0.000 0.3 - 0.000 0.3 - 0.000 1.00	- 8.668 8.8 5 9.611 1.09 6 9.613 1.09
13000 13000 13000 13000 13000 13000 13000 13000 13000 13000 13000	13 0.146 43.0	- 0.000 10.00 - 0.000 10.00	
8 143 -136 6	5 0.365 160.0 15 0.060 0.0 16 0.095 39-5	- 5.000 0.0	A MARKET AND A
10 0.01 1.00	9 0.000 0.0 9 0.000 0.0 12 0.350 37.3	- 0.000 0.0 9 1.169 0.0 - 0.000 0.0	1 8 8 8 8 8 8 E
VF 1 11.827 140.1	1 7.967 -10.7		1 4.206 51.6
MODE- 3F, RPM- 800.	FREQUENCT=109.30 HZ (8L	ADE 81. 108.89 HZ (8LA	E 51. DAMPING- 0.44 I
RECORD VO. 241 AUT 1 (8LD 8)	RECORD NO 244	REGURDING. 219	RECORD NO. 245 NUL 3 (BLD 5)
SGE [RU-STRN) (DEG)		SGE (MU-STAN) (DEG)	SGS ARP PHS (NUC)
1 0 000 101 00 00 00 00 00 00 00 00 00 0	1 1.000 1.000 11 8.253 1.000 14 8.153 1.050	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.143 148.9	- 0.630 -106.7
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 0.0015 10000 12 0.0015 0000 13 0.0015 0000 15 0.0017 10000	0.000 0.0	1 2 2 2 2 2 2
7 1-23 130.9	18 8:315 .an:X	- 0.635 0.0 - 0.650 0.0	10 0.653 10 0.653 100.0
	3 8 5 6 9 6 0 0 0 1 2 0 3 7 1 0 0 0	- 0.000 0.0 - 0.000 0.0	10 0.533 100.0 10 0.533 100.0 1 0.530 0.0
47 1.000 0.0	1 14,744 158,2	1 14.994 -50.4	1 6.726 19.6
MDDE- 1E, RF4- 600,	FREQUENCY+ 24.71 H2 (BL	ADE 81+ 24+78 HZ (BLA)	DE 5). DAMPING- 0.74 I
RECORD TO \$45	RECORD MJ. 247 MUX 2 (BLD 8)	RECORD NO. 246 NUX 3 (ELD 8)	RECORD NO. 240 MUR 3 (BLO 5)
SGS AMP PUS (MU-STRM) (DEC)	SGE (MU-STRY) (DEG)	SGF ANP PHS IMU-STRMI (DEG)	SGE AND PHS
1 0.027 180.0	1 8:037 108:8	1 0.027 -29.9 - 0.000 0.0	= 8:868 8:8 1:050 -)00
\$ 7.865 \$ 7.865 \$ 7.865	14 8:000	0.000 0.0 - 0.000 0.0 - 0.000 0.0	3 1.650 -10.0
9 8:00	15 0.022 166.2 16 0.000 0.0	- 0.000 0.7	10 8 8 8 1 1 8 8 1 8 1 8 1 8 1 8 1 8 1 8
8 6 6 6	- 0.030 0.0 • 0.000 0.0 12 0.000 0.0	- 0.000 0.0 • 0.000 0.0 - 0.000 0.0	10 8:658 -36.8 10 8:658 166.8 10 8:658 8:8
4F 5 87.222 -119.0	5 44.757 -101.2	5 98.720 -94.6	5 75.878 85.4
gOpe- 17, Rem- 800.	FREQUENCY= 48.50 HZ (BL		E 51, BARPING- 0.33 %
RECORD 40. 244	RECORD NO. 250 MUR 2 (8LD 6)	WECOSO HO- 527	MUX 3 : ELD 51
SES (NU-STAN) (DEC)	SGS ARP PHS (MU-STRM) (DEG)	SGS ARP PHS	SGS ING-STRN, (DEL)
1 0.705 0.0 2 0.005 10.0 3 0.592 180.0 4 0.508 180.0 5 0.381 -138.0 6 0.281 -130.9 7 0.281 -120.9	1 0.674 37.3 11 0.063 120.0	1 0.7% 0.0 2 0.000 0.0	- 0.000 0.00
3 0.597 180.0 4 0.508 180.0 5 0.331 -138.0	1 0.074 37.3 11 0.090 130.0 12 0.090 2.0 14 0.388 -141.4 15 0.185 0.0	- 0.600 - 0.600 - 0.600 - 0.600 - 0.600	8 8 8 8 8 8 8 8
0.241 -128.3	14 0.268 -1914 5 0.169 -800 15 0.169 0.0	- 0.000 - 0.000 - 0.000	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0.705 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	1.000 0.0	- 8:8000 E:3 - 8:8000 E:3 - 8:8000 E:3	
			4 7.702 54.4

#008- 1F. RPM- 1000+	FREQUENCY= 19-52 HZ (BL		
RECOPE NO. 254	RECORD N3. 255 NUL 2 (BLD 8)	RECORD NO 256	RECORD ND 254
SGS (MU-STRN) PHS	SG# (MU-STRM) (DEC)	SGB ANP PHS (MU-STRN) (DEG)	SGS (MU-STRN) (DEGI
1 1.007 0.0 2 0.304 0.0 3 0.062 0.0	1 1.000 0.0 11 0.000 0.0 13 0.000 156.8	1 1.888 8:3 - 8.888 8:3	- 0.000 0.0 - 0.000 1000 2 0.324 1000
9 6.000 U.O		5 8:136 1.6.5	2 0.324 100.0 2 0.000 0.0
5 0.115 180.0 6 0.074 -29.5 7 0.061 -23.5	9 0.000 0.0 15 0.000 0.0 16 0.000 0.0	= 8.868 8.808 8.808	
9 0.398 0.0 10 0.003 180.0	15 0.000 0.0 16 0.000 0.0 1 0.000 0.0 1 0.000 -10.0 1 0.007 0.0	- 0.000 6.3 - 0.000 6.3	10 0.256 1.000 - 0.000 0.00 T 1.000 0.00
MF 1 81.028 135.1			
MDDE= 2F, RPM= 1000,	FREQUENCY- 55. 93 HZ (BL		
RECORD NO. 257	RECORD ND. 258 NUX 2 46.0 8;	RECORD HG. 259	MOX 3 (ELO S)
INU-STAN! (DEG)	SGE (MU-STRY) (DEG)	SGD AND PHS	SCO (MU-STRN) (DEG)
1 1.000 0.0 2 0.000 0.0 3 0.786 160.0 4 1.738 160.0 9 0.589 70.9	1 1.000 180.0 11 0.500 180.0 14 0.5117 180.0 15 0.000 180.0	1 1.000 C.3 - 0.000 C.3 - 0.000 C.3 - 0.000 C.3 - 0.000 - 110.2	- 0.000 - 0.000 - 0.110 - 1.400 - 0.000
7:736 16C.0	14 6 417 180 9 15 8 649 186 8	\$ 0.000 \$ 0.507 -119.2	- 0.000 -140 0 - 0.000 0
	42 8:822 1-8:8	- 0.000 0.0	12 2:275 188:8
\$ 0.692 0.0 9 0.699 0.0 10 0.089 -169.3	- 9:000 0:0 12 0:000 31:0	- 0.000 0.3 - 0.000 0.0	- 0.096 0.0 - 0.000 0.0
vF 1 26.605 31.9	1 27.046 29.4	1 30-985 115-7	1 39.543 119.7
4DUE- 3f. RPM- 1000.	FREQUENCY-117.41 HZ (8L/	LOE 83. 217.57 MZ (BLA	DE 53+ DAMPING- 0.37 Z
RECORD NO. 260 MUX 1 (BLD 5)	RECORD NO. 261	RECORD NO. 262	RECORD NO. 262
SG8 AMP FHS	SGO ARP PHS (AU-STRA) (DEG)	SGE (MU-STRN) (DEG)	SCO AND PHS
1 1.000 .0.0			
\$ 8.345 tax.8	1 0 2 3 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 0.3	- 0.000 0.0 - 0.001 162-7 - 0.204 152-7 - 0.004 10-7 10 0.245 100-0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.63	5 01.00 5 01.70 - 01.00 - 01.00 - 01.00 - 01.00 - 01.00	- 6.650 Q.6
2 D•977 10•5	15 0.627 100.0	- U.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	10 01.545 160.0 01.0100 0.0 1 1.000 0.0
10 0:141 1:0:0	12 8,274 -124,3	- 0.000 0.0	
Nf 1 24.451 -42.9	1 25-159 158-2	1 24.757 -156.9	1 22.358 -156.9
	FREQUENÇY. 25.09 HZ (BL		DE 51. DAMPING- 0.89 %
MAX 1 (BTO B)	RECORD NO. 267 NOX 2 (BLO 8)	RECORD NO. 249 NUX 3 (BLD 8)	RECORD NO. 259 NUX 3 (9LO F)
SGR AND PHS	SGE (MU-STRY) (DEG)	SCP (NU-STRN) (DEG)	SGE (MU-STRN) (DEG)
8000 0000 8000 0000 8000 0000	1 0.663	1 0.000 0.3 - 0.000 0.3 - 0.000 0.3	- 0.000 0.0 - 0.000 0.0 - 0.000 0.0
0.0 0.0 0.0 0.0	10 0.031 1000 10 0.000 0.00 11 0.000 0.00	- 0.000 0.0 5 1.000 0.0	8.600 8.8
1 8 1 4 8 8		÷ 4.000 6.3	7 8:839 118:8
1 8 154 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 000 0 0 0 12 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 G.3 - 0.000 0.3 9 0.000 G.3 - 0.000 G.3	- 6.600 0.0 - 6.600 0.0 1 0.600 0.0
HF 5 58.838 -84.5	5 64.074 -57.3	5 63.146 -105.4	5 48.204 74.0
RODE= 11. RFR= 1000.	FREQUENCY+ 47+ 93 HZ (8L)	ADE 81+ - 50.34 HZ (8LA	DE 51. DAMPING- 0.46 2
MUN 1 (BLD 8)	RECORD MD. 271	RECORD NO. 272 NUX 3 (BLD 0)	RECORD NO. 272
SGO AMP PUS (MU-STAN) (DE C)	Ses (MU-SIRH) (LEC)	SG" AMP PHS IMU-STRNI (DEG)	SGO AMP PAS (MU-STAN) (DEG)
1 0.007 150.0	1 8:000 -20:9	1 6.060 0.0	2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
9 6 6 6 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0.000 -70.7 11 0.000 -70.7 11 0.000 -25.6 12 0.000 -47.8 12 0.000 -97.8 13 0.000 -97.8	9 900 0 5 9 900 0 5 9 900 1 5 1 9 900 1 5	5 0 0 0 1 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0
9 8 312 133.3	15 0.382 -0.0 16 0.000 100.0	- 0.000 - 0.000 - 0.000 - 0.000 - 0.000	10 0.078 26.7
1 0.047 150.0 2 0.003 10.00 2 0.003 124.0 2 0.003 124.0 4 0.00	1 0.000 -74.7 10 0.049 -74.7 14 0.049 -3.4 15 0.049 -97.8 15 0.045 -97.8 16 0.000 190.0 17 0.000 190.0 18 0.000 0.0	1 6.000 0.9 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0	10 0.000 0.00 10 0.000 0.00 1 0.000 0.00
HF 9 35,089 25.9	4 31.543 4.5	9 34.354 23.7	• 12.484 -1.0

		MCY+ 13+52 HZ (BL		LAGE 51. DAMPING- 0.12 %
RECORD NO. 31	17 R	ECORD NO. 318 UR 2 (BLD 6)	RECORD NO. 319 NUX 3 (BLO 8)	RECORD NO. 319 NUX 3 (BLD 5)
SGO AMP	PHS SGE	(MU-STRY) (DEG)	SGB ANP PHE INU-STRNE LDEGI	SGB (MU-STRH) (3EG)
9 8:865 18	0.0 11	1.000 0.0 0.028 180.0 0.002 180.0 0.000 0.00	1 1.000 0.0 - 0.000 6.0 - 0.000 0.0 5 0.276 160.0 - 0.000 0.0	2 0.015 1.00 2 0.015 1.00 10 0.016 8.0
10 0.083 10	0.0 12	0.405 0.0	- 0.000 0.0 9 0.403 0.0 - 0.000 0.0	
WF 1 38.169 1	6.7	45.624 -2.1	1 35.030 38.4	1 50.467 38.9
MODE= 25. RPM- 6			DE 81. 44.18 MZ (8	LADE 53. BARPING- 0.48 Z
RECORD NO. 32 Pur 1 (BLO 6)	O RI	CORD NO. 321	RECORD NO. 322	MAX 3 (RFD 21
SGE (MU-STEN) (D	PHS SGE	INU-STRUT (DEG)	SGO (MU-STEN); EDEG!	SGO (MU-STRN) (DEC)
3 0.837 18 5 0.367 2 6 0.219 4 7 0.162 5 6 0.683 9 9 0.504 18 10 0.127 18	0000 11 0000 11 10 10 10 10 10 10 10 10 10 10 10 10 1	1.000 0.0 0.409 10.0 0.055 -121.8 0.349 180.0 0.397 -68.7 0.526 180.0 0.000 10.0 0.000 10.0 0.001 180.0	1 10000 000 0000 00000 00000 00000 00000 0000	10 0.1/3 180.0 10 0.1/3 180.0 10 0.1/3 180.0
NF 1 27.476 7	0.8 1	31.358 143.0	1 29.744 138.7	1 12,998 318,7
400E= 3F+ RPM= 66				LADE 51. DAMPING- 0.39 %
RECORD NO. 32	a Ri	COBD NJ - 324	RECORD NO. 325	NUX 3 (BLO 3)
SGE (MU-STRN) (D	PHS SGE EG)	MU-STRNI (DEGI	SGO (MU-STRM) (DEG)	SGB (MU-STRM) (DEG)
2 0.578 18 2 0.166 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1000 0.603 0.106 0.00	1 1 00 00 00 00 00 00 00 00 00 00 00 00	- 0.500 0.0 8 1.507 0.0 9 0.20 0.0 10 0.28 15.5 - 0.000 0.0 1 1.000 0.0
NF 1 24.257 11	8.0 1	27.637 -158.1	1 32,375 -42 4	1 31.307 -59.9
				LADE 51. DARPING- 0-69 I
RECORD NO. 32	6 RI	CORD NO 327	RECORD NO. 326 NUX 3 (810 6)	RECORD NO. 328
SGS (NU-STRN) (D	EC SCE	(MU-STRY) (DEC)	P C B THE STREET PHS	SCE AMP PMS (MU-STRN) (DEG)
9 0.035 9 0.489 9 0.071 -2 10 0.091 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.074 1.000 8.074 1.808 9.000 8.8 9.000 1.000 9.000 1.000 9.000 1.000	1 0.031 1.000 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5	- 0.000 0.0 - 0.100 0.0 - 0.100 0.0 - 0.100 0.0 - 0.100 0.0 - 0.100 0.0 - 0.100 0.0 - 0.000 0.0 - 0.000 0.0
WF 5 68.092 5	6.7 5	85.961 93.6	5 48.229 58.0	5 67.206 238 .
- ·			•	LADE 51. DAMPING- 0.51 7
RECORD 40. 333		CORD NO. 333	RECORD NO. 334 MUX 3 (BLU BF	RECORD NO. 334 NUX 3 (8LD 3)
SGB AMP	EGI SG#	MU-STRM) (DEG)	SGS AND PHS	SGE ATP PMS (AUTSTRA) (DEG)
1 0 02 -5 2 0 025 12 3 0 025 16 3 0 024 16 6 024 16 7 0 005 16	20.00 113	0.174 -34.6 0.094 180.0 0.074 10.2 0.000 0.0 0.283 -152.6 0.308 -0.0 0.000 -21.4 0.000 0.0	1 0.280	- 0.000 0.0 - 0.000 10.8 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0

NODE- 15, 5PM- 1000.	FREQUENCY= 19.04 H. (BL	ADE 8). 18.69 HZ (BLA	
RECORD NO. 301	RECORD NO. 302	RECORD NO. 373 RUX 3 (BLD 81	RECORD NO. 103 NUX 3 (BLD 5)
SGO AMP PHS	SGF AMP PHS (MU-STRY) (DEG)	SGB (MU-STRN) (DEG)	SGB ANT PHS
1 1.000 21.1.1 2 0.027 38.7 4 0.024 38.7 5 0.073 0.0	1 0000 000	1 1.000 8.0 - 0.000 8.5 - 0.000 8.5	- 0.000 0.00 5 1.005 1.000 8 0.000 0.00
\$ 0.231 21.1 3 0.057 38.3 4 0.057 38.7 5 1.067 0.0	14 0.023 63.0 5 0.417 140.0	- 8.888 8.5 - 8.888 0.3	- 0.000
	15 0.000 0.0	5 1000 0:3 - 0:000 0:0	10 0.434 166.0
1.071 0.0 9 0.416 0.0 10 0.207 -142.4	- 0.000 0.0 • 0.429 0.0 12 0.062 0.0	2 0.000 0.0	- 0.000 0.0 - 0.000 0.0
NF 1 35-186 132-5	- ·	1 13.471 164.0	
MODE - 2F, RPM- 1000+	FREQUENCY= 55-66 HZ (BL	ADE #1. 55.71 HZ (	C: 51. PARPING0.05 %
RECORD WV. 304	RECORD NO. 305	RECORD NO. 306 RUX 3 (BLD 816 SG# ARP PHS	RECORD MD. 306 MUX 3 (BLD 5)
SGS AND PHS	SGE (MU-STRY) (DEG)	(MO-21KM) (DEC)	SGS (MU-STRN) (DEG)
1 1.000 0.0 2 0.000 0.0 3 0.782 180.0 4 0.784 180.0 5 1.045 180.0	1 1.000 0.0 11 0.515 10.0 13 0.151 -10.3 14 0.448 180.0 5 0.888 180.0	1 1.080 0.0 - 0.308 8:8 - 0.308 - 10.00	- 0.000 0.0 - 0.000 2 0.500 -140.3
2 0 000 0 0 0 3 0 782 180 0	1 0.015 160.0 13 0.121 -10.3 14 0.418 180.0 15 0.888 180.0 15 0.073 180.0	5 0 719 -101	♥ 1.7/1 C.C
5 1.065 180.0 6 0.787 180.3 7 0.655 169.0	5 0.688 180.0 15 0.073 9.0 16 0.088 9.0	= 8.868 <b>8.8</b>	10 0.270 100.0
9 0.693 0.0	- 0.000 G.O • 0.692 G.O	- 6:868 8:8 - 6:639 8:3	- 0.006 0.0
10 0:106 180.0 MF 1 26.413 -177.8	12 0.095 0.0	1 28 775 120.3	1 1.000 0.0 1 33.484 120.3
	FREQUENCY-117.05 HZ (BL		
RECORD NO. 398	RECORD NO. 309 NUX 2 (BL 0 8)	RECORD NO. 310 MUX 3 1840 8)	RECORD NO. 310 NOX 3 (BLD 5)
SGE AMP PHS	(MITSTRY) (DEG)	SGE (NU-STRN) (DEG)	(MU-STRN) (DEG)
1 1.000 1.50.0 2 0.783 1.50.0 4 1.6273 1.50.0 4 1.6273 1.50.0 5 0.170 0.20 6 0.226 1.80.0 7 0.301 1.80.0 8 1.061 -29.6 9 0.211 1.50.3	1 1.000 10.0 11 0.818 188.0	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0	- 0.000 0.0 - 0.000 0.0
5 6.170 -29.2	13 6:939 139:9	- 0.000 3.0 5 0.122 -36.0 - 0.000 6.0	1.109 2.652 0.0
7 0.391 180.0	12 8:973 1.8:8	- 0.000 0.0	18 8:838 6:8
e 1.081 -29.8 9 0.130 17.8 10 0.211 156.3	2 0.200 12 0.281 180.0	- 0.000 c.b	- 0.000 0.0 - 0.000 0.0 1 1.000 0.0
10 0.211 156.3 NF 1 21.702 -84.9	1 28.626 -71.4	1 21-799 -62.4	1 19.129 -49.3
MODE- 1E. RPM- 1000.	FREQUENCY = 25.32 .2 (BL	ADE #1+ 25.24 HZ (BL:	DE 51+ DAMPING- 0.41 %
RECORD NO. 311 MUX 1 (8LD 2)	RÉCORD NO. 312 MUX 2 (8-D 4)	25CORD NO. 313	RECORD MO. 313
SGF AMP PHS	SGS ARP PHS (RU-STRY) (DEG)	SGF AMP PHS (MU-SYRM) (DEG)	SGS AMP PHS (MU-SYRM) (DEG)
1 0.000 0.0	1 0.033 120.0	1 0.021 -150.1	- 0.000 0.0
8:83 8:8	1 0.023 13C.0 11 0.035 100.0 13 0.032 100.0	- 0.000 0.0	- 0.630 0.0 5 000 0.0 6 0.153 6.0
9 200 0 0	. Z Y-X-A	- 0.000 0.0 5 1.000 0.0 - 0.000 0.0	- 0.000 0.0 • 0.093 180 0
7 0 43 0 0 8 0 0 0 0 8 8	16 8.80B 6.0	- 0.000 0.0	10 9.600 9.0
10 0.089 180.0	13 8.888 6.8	- 0.600 0.3 - 0.600 0.3	1 0.030 -159.7
NF 5 79.464 -92.9	5 19.233 -106.7	5 45.588 -26.3	5 51.467 144.0
	FREQUENCY+ 47.57 HZ 4BL		
RECORD 40. 314 MUX 1 (BLO B)	RECORD NO. 315 NUX 2 (BLD B) SGF ABP PHS	RECORD NG. 316	RECORD NO. 316 RUX 3 (BLD 3)
SGB AMP PMS	(MU-STRY) (DEG)	SGE AMP PHS	SCO (MU-STAN) (DEC)
1 8008 161.0 2 8008 10.0 4 8008 20.0 5 8018 20.0 6 8018 1800 6 8008 10.0	1 0.007 180.0 11 0.000 0.0	1 0.078 lee.b	- 0.000 0.0 - 0.000 134.8 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0
3 0.065 19.6 5 0.065 20.0	12 8:853 188:8	- 0.000 0.9 - 0.000 0.3 5 4.493 30.8	- 0000 C-00
5 0 1758 3500 6 0 1758 3500 6 0 1758 1800	14 0.023 180.0 2 0.970 109.0 16 0.023 49.1	- 0.000 0.3	16 6 606 8 8 16 6 608 8 8
10 0.063 18:9	15 0.366 0.0 16 0.023 99.1 9 0.000 0.0 12 1.057 0.0	- 0.00J C.3 9 1.000 0.3 - 0.000 0.0	- 0.000 0.0 - 0.000 0.0 1 0.123 1#0.0
WF 9 37.547 -92.1	9 38,189 -144,1	9 36.723 -77.9	9 14.564 -147.6

MODE- 15. RPM- 64	. BRESWENCY - 5:19 HZ (8)		DE SI. DAMPINGO 0.79 Z
RECORD 40. 588 PMZ 1 (8LD 8)	RECORD NO. 589 NUR. 2 IBLD 4	RECORD NO. 340	RECORD ND. 390 NUX 3 (860 3)
SGO (MU-STEM) (DEG)	SGE SAU-STRNI (DEG)	SGO (MU-STRN) (DEG)	SES (NU-STRN) (DEG)
1 1.000 0.0 2 0.725 0.0 3 0.369 0.0 4 0.130 0.0 5 0.144 180.0 6 0.001 180.0 7 0.000 0.0 8 0.800 0.0 10 0.007 180.0	1 1.000 0.0 11 1.400 0.0 12 1.077 10.0 14 0.055 10.0 15 0.050 180.0 15 0.000 0.0 9 0.270 33.1	1 00000 00000 00000 00000 00000 00000 0000	# 0.000 # 0
4F 1 8.083 84.5	1 4.609 92.4	1 8,039 -87.9	1 7-570 -48-9
NUDE- 21. RPR- 0.	FREQUENCY - 32, 20 HZ (8)	ADE 81. 33.43 HZ (BLA	DE SI. DARPING- 0.49 I
RECORD NO. 591	RECORD NO. 592	RECURD NO. 593	RECORD HO 593
SCO LAW-STAMS (DEC)	SGO AMP PHS (MU-STRY) (DEG)	SGO (NU-STRN) (DEG)	SEO (MIPSTEN) COEC)
1 1 000 399 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1.000 180.00 11 0.5410 -143.00 14 0.600 0.00 15 0.6000 0.00 16 0.6000 0.00 17 0.6000 0.00 18 0.6000 0.	1 8:5500 8:3 1 8:5500 -14000 1 8:5500 8:3 1 8:5500 8:3 1 8:5500 8:3 1 8:5500 8:3	- 0.000 - 0.00
At 7 10-111 -10-0	1 10.475 24.0	1 10.855 59.8	\$ 3.939 805.8
NODE- 3F. RPM- 0:	FREQUENCY= 90.58 HZ 181		DE 31. DARPING- 1.08 %
#52 1 110 81	RECORD NO. 545 NVE & (BLD 8)	RECORD NO. 596	MUX 3 (BCO \$1
SGP (RU-STRN) (DEG)	SCO (NU-STRY) (DEG)	SGO (MU-STRM) (DEC)	see tun-zigui totel
1 1.000 1000 1 1.000 1000 1 1.000 1000	1 1.000 180.0 11 0.842 180.0 13 0.167 -10.0	1 1.000 1 0.00 1 0.00 1 0.00 1 0.00 1 0.00	
10.253	12 01845 -32.0 15 01125 -32.0 16 01263 180.0 16 01263 0.0 17 0127 180.0 12 2.829 17.0	5 8:873 1:33 5 8:873 6:33 6 8:878 6:33 6 8:878 6:33 7 9:000 6:33 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	10 0.339 103.03 10 0.339 103.03 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
9 0.101 0.0 1 0.000 145.3 9 3.330 0.0 10 0.121 180.0 4F 1 2.931 -131.0	15 0.118 -0.0 16 0.761 180.0 9 0.323 0.0 12 0.437 180.0	5 8 9 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 6:379 163.0 1 6:470 6:0 1 1:530 6:0 1 3:401 37:6
3 0.101 180.0 1 0.500 143.3 1 0.500 143.3 1 0.121 180.0 4F 1 2.931 -131.0 MODEN 18. RPM- 0.	15 0:118 -0.0 16 0:161 180:0 9 0:363 0:0 17 0:437 180:0 1 2:829 17:0 FREQUENCY - 22:03 M2 (8)	5 8:933 1:0:3 - 8:838 6:3 - 8:828 6:8 - 0:000 0:0 1 3:007 -114.3	10 6:579 163:5 1 1:530 6:0 1 3:401 37.6 De 31, Darpins- 0:51 2
101 100 0 0 101 0 0 0 101 0 0 0 101 0	15 0.118 0.0 10 0.151 180.0 9 0.313 0.0 12 0.437 180.0 1 2.829 17.0 FREGUENCY 22.03 M2 (8) RECORD NO. 400 MUX 2 (F. 5 0)	5 0.933 1.07.3 - 0.020 6.3 - 0.020 8.8 - 0.020 0.0 1 3.097 -114.3 	10 6:379 163.0 1 6:470 6:0 1 1:530 6:0 1 3:401 37:6
# 1 2.931 -131.0  # 0.101 10.0  # 0.101 10.0  # 0.101 10.0  # 1 2.931 -131.0  # 1 2.	FREQUENCY = 22.03 MZ (8)  RECORD NO. 900  RECO	1 3.097 -114.3  - 0.007 -114.3  - 0.007 -114.3  - 0.007 -114.3  - 0.007 -114.3	10 6.50 160.0 1 1.600 6.0 1 3-401 37.4 D2 31, DARPINS- 0-51 2 RECORD RO. NO.
# 1 2.931 -131.0  # 0.101 0.0  # 0.101 0.0  # 0.101 1.0  # 0.101 1.0  # 0.101 1.0  # 0.101 1.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 -131.0  # 1 2.931 0.0  # 2.931 0.0  # 1 2.931 0.0  # 2 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0.0  # 1 2.931 0	TREGUENCY - 22.03 HZ (B)  RECORD NO. 970 1 1000  RECORD NO. 970 1 10	ADE 81, 22.09 M2 (#LA  ##################################	10 0.20 0.00 1 1.00 0.00 1 3.40 37.4  D2 31. DARPINS- 0.51 2  RECORD KD. NOI  ROW 3 4040 0.0  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00
## 1 2.931 -131.0  ## 1 2.931 -1	FREQUENCY - 37. 93 MZ (84)  10 01.50 000  10 01.50 000  11 01.50 000  12 01.50 000  13 01.50 000  14 01.50 000  15 01.50 000  16 01.50 000  17 01.50 000  18 01.50 000  19 01.50 000  19 01.50 000  19 01.50 000  10	ADE 81. 22.05 M2 (ELA  ELCORD H2 61  1 3.047 -114.3  - 0.050 H2 (ELA  ELCORD H2	10 0.579 103.0 1 1.630 0.0 1 3.401 37.4 0.51, DARPINS- 0.51 2 RECORD MO. 301 368 (NU-578N) (DE6) - 0.600 0.0 1 1.610 0.0 - 0.600 0.0 - 0.60
## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 2 2.931 -131.0  ## 2 2.931 -131.0  ## 2 2.931 -131.0  ## 3 2.931 -131.0  ## 3 2.931 -131.0  ## 3 2.931 -131.0  ## 3 13.601 -6.6  ## 3 13.601 -6.6	TO 0.138 -0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ADE 81. 37.80 HZ (8LA)  RECORD MD. 601  1 0.0000  1 0.00000  1 0.00000  1 0.00000  1 0.00000  1 0.00000	10 0.270 103.0 1 1.030 0.0 1 1.030 0.0 1 3.401 37.4 De 31, DARPINS- 0.51 2 RECORD KS. NOI MON 3 (800 0.0 1 0.000 0.0
### 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FREQUENCY = 22.03 MZ (8)  RECORD NO. 600  RECORD NO. 600  RECORD NO. 600  RUM 2 (F. 60)  1 0.0000  1 0.00000  1 0.00000  1 0.00000	1	10 0.230 1030 1030 1 10
## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 1 2.931 -131.0  ## 3 13.801 -6.6  ## 3 13.801 -6.6  ## 3 13.801 -6.6	TO 0.138 -0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ADE 81. 37.80 HZ (8LA)  RECORD MD. 601  1 0.0000  1 0.00000  1 0.00000  1 0.00000  1 0.00000  1 0.00000	10 0.510 0.00  1 1.030 0.00  1 3.401 37.4  D2 91, DAMPINS- 0.51 2  RECORD KO. NO.1  100 0.000 0.00  1 1.030 0.00

400E= 1F, RPM= 775, RECORD 4U. 629 NUX 1 66LD 81	FREQUENCY = 15.46 HZ FML / RECORD NJ = 630 MUX 2 [8_0_6]	ADE 81, 15.54 H2 (8440 RECORD NO. 631 NUX 3 (843 8)	RECOR	MPING- 0.10 Z  D NO. 631   (810 31
SGO (NU-STAM) (DEG)	SG# AMP PMS + tu-STRY) (DEC)	SGO ARP PHS		STRM) (DEC)
1 1.09J 0.0 1 0.192 0.0 1 0.192 0.0 2 0.193 100.0 2 0.193 100.0 3 0.071 100.0 3 0.071 100.0 4 0.042 0.0 4 0.042 0.0	1 1.000 0.0 11 0.100 0.0 13 0.027 -1130.4 14 0.000 -120.5 15 0.000 0.0 16 0.000 0.0 16 0.000 0.0 16 0.000 0.0 17 0.000 0.0 18 0.000 0.0 18 0.000 0.0 18 0.000 0.0 18 0.000 0.0	± 6:33 - 8:35 - 8:35	10	000 000 000 000 000 000 000 000 000 00
	1 17.985 7.2			
	FREQUENCY= 47.00 #2 6#L			
#ECDRD 40, 632	RECORD NO. 633 MUX 4 (BLD 8)	MOX 3 INTO \$3	RE S	0 60 574
SGO ARP PHS	SGO AMP PAS (NU-STRY) (DEG)	SGO (MU-STRM) (DEG)	368 (MO-	STRNI (DEE)
1 1.000 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0.575 1.0.5 13 0.575 1.0.5 14 0.575 1.0.5 15 0.555 1.0.5 15 0.555 1.5.3 17 0.555 1.0.5	000000000000000000000000000000000000000	10 00	000 000 000 000 000 000 000 000 000 00
WF 1 6.1179.4	1 6.607 1-7	1 7.492 -100.7	1 4.	451 73.3

## DATA NOT AVAILABLE

	FREUVENCY= 22.32 M2 484		
RECOKO 40, 626	RECORD NJ 627	### 3 (#F9 9)	RECORD HD. 638
SGE ASP PH (MU-ST4M) IDEG	GE CHU-STRY) (DELI	SCO ANP PHS (NC-STRM) (DEC)	SCO INV-STRAI LOEGI
1 0.035 -140. 2 0.077 0. 4 0.077 0. 5 1.697 0. 5 0.027 0. 6 0.027 0. 6 0.027 0. 7 0.027 180.	11 0.074 1.05 14 0.000 1.05 15 0.000 1.05 15 0.000 1.05 16 0.000 1.05 17 0.000 1.05 18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 0.0 - 0.000 0.0 - 0.000 1.000 - 0.000 1.000 - 0.000 1.000 - 0.000 - 1.000
NF 5 82.436 125.	5 86.663 100.3	5 44.414 -178.7	5 43.953 2.1
	, FREQUENCY+ 41.26 HZ EBI		NDE 53, DAMPING 0.97 1 RECORD NO. \$37 NUX 3 (8LD 5)
	MOX 2 (BLD 8)	*****	
SGB AMP PH	SGR AND STRAI (DEE)	19401 ING-ZAWN IDECL	SGS (NU-STRN) (DEG)
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.539 185.5 13 0.504 -5.2 14 0.501 -6.5.9 15 0.511 160.0 15 0.511 160.0 16 0.511 160.0	1 0.00000 - 0.00000 - 0.000000 - 0.0000000000	1000 - 300
10 0 000	8 12 0.950 111.5	- 6.888 6.5	1 0.222 193.2

	FREQUENCY+ 14.37 MZ fet		
RECORD TO. COS	RECORD NO. 609 NOR 2 18.0 81	RECURD NO. 610	RECORD HO 610
		Co Ass PHS	
SGO (RU-STEW) (DEG)	SGO AMP PHS (MU-STRY) (DEL)	(MU-STEN) LDEGI	(MU-STRM) (DEG)
1 1:903 8:9	j 1.000 0.0	1 1.000 0.5 - 0.000 0.3	- 0.000 - 0.00 - 0.00 - 0.00
3 0.063 0.0		9 000	5 1.513 -92:A
\$ 0.335 -155.0	14 8:609 -19:9	3 D.488 -3843	<u> </u>
■ U.187 ←1 .J</td <td>15 0.000 0.0</td> <td>- 3.000 0.3 - 0.000 0.3</td> <td>18 8:33 1.838</td>	15 0.000 0.0	- 3.000 0.3 - 0.000 0.3	18 8:33 1.838
0.139 -126.9	0.643	- 6.coa <b>6.3</b>	18 8 171 1 8 8 = 8 8 8 8 8 8
18 61134 18615	12 8:036 8:0	¥ 3:00 8:3	1 1.000 0.0
WF 1 40.088 56.4	1 36.013 -48.2	1 24.705 -147.2	1 4.199 32.6
MODE- 25. RP# 1000.	FREQUENCY+ \$4+72 K. 4 (BL		
RECORD WE, will NOT 1 INCO 61	HAY S (B'D B)	RECORD NO. 613	RECORD NO. 613
SGO (RU-STEM) (DEG)	SCO INU-STRY) 10EG	SEE (NUTSTRN) (DEG)	SGO (NU-STAN) (DEG)
			- 0.000 0.0
1 1.000 0.0	1 0.075 -149.5 11 0.175 -149.5 14 0.053 180.0 15 0.538 -27.9 15 0.538 -27.9	1 1.000 0.0 - 6.000 0.0	- 9.698 - 6.69 - 1.69 - 1.69 - 1.69
5 6.501 160.0 5 6.501 160.0	15 0.536 100.0	- 0.000 .0.0	8 1:240 -157.0 - 0.000 0.0
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 0.536 100.0 1 0.538 100.0 1 0.538 100.0	8 6 6 6 8	5 5 5 6 6 6
7 3:263 162:0		8 500	to a sea
10 6.559 52.7	9 0.614 -34.8	- 8.000	8 25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
TF 1 4.443 -100.3	1 4.423 124.7	1 4.253 -127.7	1 3-210 92-3
(* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, ,,,,,		
400E- 3F+ R>M- 10CO.	FREQUENCY=115.83 HZ (8L	ADC ml. 115.75 M2 (BLA	DE SIL DARPING- 0.30 E
RECORD NO. 616 NUR 1 (610 8)	#ECOGO W3. 615 RUL - (8.0 H)	WIT 3 (BED #)	BEEGED HOS \$14
SEG AGS PHS	See ATTP PMS	see thi-signs tores	ses (Mr Tigh) (DEE!
(AU-STAN) (DEG)			
1 1.000 0.0	1 0.500 18.8	1 1.000 0.3 - 0.000 0.3 - 0.000 0.3 5 1.3,5 0.3	- 6.650 - 6.550 - 6.570 - 6.570
\$ 6:53 1.60.8	13 8:561 -18:1	- 0.000	1 1937 469
\$ 0.735 -92.7 \$ 0.476 75.4	15 0.555 16.2	5 1.3.5 a0.5	
7 1.370 76.2	10 8.508	- 6.660 0.3	10 6 5 5 -16 3 - 6 5 5 2 -16 3
7 1.379 76.2 6 0.656 0.0 6 0.208 127.7	- 0.000 0.0	5 0:700 1:8:0	- 0.673 0.6
10 0:166 127:7	15 8 5 6 7 9 9	- 0.060 0.0	1 ligad did
NF 1 5.440 7.4	1 5-611 50-5	1 3.015 -178.8	1 2.544 -35.2
			an an Bandud- a mi w
MODE - 14. APR- 1000.	FREQUENCY 22.51 HZ IDL		TOE 31, DAMPIROO 8.43 E
RECORD 40. 617 Rux 1 (SLD 6)	##COMU mg. 418	MAX 3 (PED P)	#ECCSD . #0. \$19
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	26.0 RTP PHS
INU-STANI IDEGI	SGE (AU-STRY) (DEL)	IND-21KH. IDER.	
\$ 668 8 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 600 \$ 60	11 0.000 0.0	1 0.000 6.0 - 0.000 6.0	- 0.000 C.0
3 8 8 8 9 9 9	13 0.€30 140.0	- 0.000 9.0	1 0 5 0 0
\$ 1.000 0.0	14 0.000 0.0 5 1.000 0.0	2 1-850 A+3	2 8:05
7 0.434 0.0	8:8 8:53 81	- 0.000 0.3	12 8:858 128:8
0.024 100.0	0.000 0.0	- 0.000 0.3 V 0.070 100.7	= 0.000 - 0.00 - 0.00
70 6,035 150,0		- 6.666 6.6	1 6:016 -114:4
NF 5 \$3.140 -124.7	9 90,422 -30.9	\$ 50.456 -177.1	3 39.002 2.9
MODE- 11, RPM- 1000,	FREQUENCIO 44. 10 HZ (BL		DE 51. DAMPING. 0.37 2
RECORD 4D. 633	RECORD NJ. \$24 NUX 2 (8.0 %)	RECORD NO. 425	MOX 3 (BLD S)
(RU-STEN) (DEG)	fun-zikai ibiei	INU-STANI IDEGI	(MD-21Km) (086)
1 0.702 0.0 2 0.003 0.0 3 0.003 -108.5 5 3.334 37.3 6 2.364 33.7 7 0.003 0.0	1 0.044 -77.0	£:551 8:66:8 £	- 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00
\$ 0.000 \$ 0.000 \$ 0.000	12 \$: £21 -13: Ā	= 8.808 B.3	11:333 100:0
5 3.334 -108.3	1 0.068 -77.0 1 0.068 -77.7 1 0.040 -77.7 1 0.040 10.0 1 0.078 0.0	2 8:883 128:3	0.000 0.0
7 0.000 0.0		2 3 3 3 3 1 2 7 3 2 3 3 6 5 7 1 2 7 3 2 3 6 6 7 1 2 7 3	10 0.55
9 1-003 0.0	\$ \$200	- 0.000 6.3	- c-868 5-8
	4 1.000 0.0	• 1.000 0.0	- 6.056 6.0
10 0.258 -144.1 MF W M.005 77.2	12 1.017 0.0	1 8 6 8 8 9 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 3 1 2 3 3 3 1 2 3 3 3 3	- 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 10 0.558 1.600 - 0.000 0.00 10 0.558 1.600 - 0.000 0.00

#00E- 15, RPM- 0.	FREQUENCY: 5-19 HZ EEL		DE 51, DARPING 0.63 E
RECURU VO. 704 Núz 2 16LD 81	RECURD NJ. 776 NUZ 2 48.0 61	RICORD NO. 207	RECORD NO. 707 MUX 3 (BLD 5)
SGE (MU-STRM) (DEG)	SGE ARP PHS	SGP ARP PHS (NU-STRM) (DEG)	SGS ARP PHS
1 4:900 8:8	11 0:000 -0:0	1 1:000 0:3 - 0:000 0:3	- 8: 8: 8
3 0.12	13 0.073 100.0 14 0.053 00.0 15 0.020 100.0 15 0.020 51.0	- 0.000 - 0.000 - 0.137 1.003	7 0.000
		2 0.000 8.3	10 8-00 8-0
10 0.101 100.0	- 0.000 0.0 9 0.402 0.0 12 0.231 0.0	- 0.000 0.0 - 0.000 0.0	- 9:808 8:0
At 1 50'500 05'0	1 22-013 -43-4		
8006+ 25. 844C G.	FREBUENCY 32.2 SMT (GL	AD. A1. 33.02 MZ (8LA	DE 51. DAMPING- 0.62 %
RECURDING 704	#ECORD NO. 709	secoso no. 710	RECORD NO. 710
SCO (NO-STEN) (DEC)	Z64 688 783	SGe (MU-STRH) (DEG)	SCO ARP PHS
	1 1.000 0.0	1 1.000 0.3	
1 1.000 9.00	1 1.00 00 00 00 00 00 00 00 00 00 00 00 00	1 6:868 8:3 1 8:664 1 6:3 1 8:664 1 6:3 1 8:664 8:3	- 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000 - 000
3:13: 100:0	1	2 8 626 1 8 3	
7 0.003 .0.0	15 0:172 130:0 14 0:000 0:0 - 0:000 0:0	= 8.888 8.3	I X: XXX X: X
10 0.665 0.6			1 1.000 0.0
MF 1 11.791 -96.5	1 11.462 -137.0	1 11.499 -105.7	1 3,092 -41.2
#006- 3f. R+M- 0.	FREQUENCY" "0. 58 HZ (BL		
RECORD NO. 711 MUA 1 (860 63	RECOED NO. 712	#fcosp #p 33	RECORD NO. 313
SCO AND PHS	SC (NU-STRY) (DEG)	SGE (NU-STRN) (DEC)	
1:000 -1000	1 1-600 8-8 13 6-63 9-8 1 5 6-63 1-8-8	11 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 6.000 0.00 - 6.000 - 0.00
5 6.65	13 0 10 90 0	- 6.000 - 0.000 - 0.000 - 0.000 - 0.000	- 0.000 D.O
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 6 035 100 0 15 8 155 108 8		10 6.630 6.0 10 6.630 9.0
0.300 0.0 0.300 00.0 10 0.000 0.0	15 8:153 168:8 13 8:307 138:8	- 0.000 0.5	
NF 1 4.399 120.2	1 4.548 -60.0	1 4,743 76,6	1 2.780 100.4
<b>4006. 16. 474. 0.</b>	FREQUENCY- 23.76 HI ISL	ADE 81. 23.75 HZ 18LA	IDE SI. DARPING. O.65 Z
#ECO40 40, 314	#4CO40 #3 715	RECORD NO. 716	MUX 3 4860 51
SCO AND PHS	SEP ANP PHS		SGF AND PHS (MU-STRN) (DEG!
8:8 8:83 8	1 0.03 0.0		- 0.000 0.0 - 0.000 0.0
\$ 8:853 8:8		1 0.023 0.3 - 0.000 0.3 - 0.000 0.3	1 000 0.0 - 0.000 0.0
5 9.551 8:8		- 0.000 1.000 - 0.000	- 0.000
8:8	÷ 6,500 6,500	- 0.000 0.0 - 0.000 0.3 - 0.136 0.3 - 0.000 0.3	- 6.666
10 0.175 1.000 10 0.076 1.000 4F 5 107.005 37.1	12 0.600 0.0 5 104.857 -15.5	9 0000 C.3	1 0.024 180.0
	EREGRENCAN ANT NS 19F		IDE \$1. DAMPING" 0.48 %
RODE- 17. RPM- 0. RECORD VO. 718 MUR 1 (810 8)	PECORD NO. 719 NOT 2 18-D 61	RECORD MG. 770	
		HUR'S (BLD 4)	RECORD NO. 720 RUX 1810 31
tau-stant the Gi	180-21#41 (DEC)	(MD-2) MAI ADECE	INU-STRUL (DEG)
1 0000 mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0.000 0.0 11 0.000 9.7 13 0.000 0.0 13 0.000 0.0	- 6.665 6.3	- 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000
3 8 937 1888	2 6.197 100.0	- 0.000 0.3 - 0.000 0.3 - 0.000 0.3	6.000
8.8.1 1.9.3 4 8.8.1 1.9.3 4	15 0.340 0.0 16 0.031 0.0 - 0.000 0.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 0 000 - 0 000 - 0 000 - 0 000 - 0 000 - 0 000
	12 1.000 0.0	0.000 0.3	
4F 9 6.185 -144.3	4 6.300 -46.5	9 5.921 29.ù	• 0.160 170.7

I

400E- LF. RPM- 1000.	FREQUENCY+ 20.32 HZ (BL	ADE 67, 19.45 MZ (BLA	
RECORD NO. 733	RECORD NO 734	RECURO 40. 735	RECORD NO. 735
SGB AMP PHS (MU-STRN) (DEG)	SCO CHO-SIEAN INECT	Ses (MA-SAMI EDEC)	ING-ZIEPS (DEC)
8:3 65:6 \$	1 1.000 0.0 11 0.000 0.0 13 0.000 1.0 14 0.000 1.0	1 1.000 0.3 - 0.000 0.3 - 0.000 1.5 - 0.000 1.5 - 0.000 0.3 - 0.000 0.3 - 0.000 0.3 - 0.000 0.3 - 0.000 0.3	- 0.000 0.0 - 0.000 0.0
* X.X.3 K.N		0.000	1.001 0.0
8 175 = 76 1 8 175 = 76 1	12 8:605	5 0.163 100.0 - 0.000 0.3 - 0.000 0.3	19 8:300 8:8
9.8.1 9.1.2 91	0.000 0.0 0.440 0.0 12 0.055 0.0	- 8:000 6:3 - 8:000 6:0	9 0.260 0.0 10 0.000 0.0 - 0.000 0.0 1 1.000 0.0
ME 1 0.002 45.9	1 41,378 -169,4	1 35.434 -153.5	1 10.219 \$6.5
#00E- 2F+ RP#- 4800cc	40 24 45 mm - 55, 12 Hz +6L	4DE 61. 55.32 MZ (BLA	DE 51. DAMPING- 0.78 Z
RECURD 40, 730	RECORD M3. 731 MUK 4 EB-D 81	RECORD NO. 732 NUX 3 18LD 81	#FCORD #0. 732
SGE AND PHS (MU-STAN) (DEG)	SGO AMP PAS	SGS ARP PHS (MCG)	SGO AND PHS
		1 2.003 6.3	
\$ 6.099 -12.6	1 0.808 8:8 13 6:43 140:8	1 1000 1 0000 1 0000	- 0.000 0.0 - 0.000 0.0 1.001 0.0 - 0.000
3 3.644 0.0		0.000 186.0	4.566
7 0.000 7 0.000 8 0.000 9 1.891 1.000	15 1-75 1903 16 8:708 18:4 17 1:578 -38:4	- 0:000 - 0:000 - 0:000 - 0:000	10 0 000 000 - 0 000 000
10 0.306 180.0	12 1.338 =31.5	- 8:866 6:3	1 1.000 0.0
NF 1 7.976 -42.3	1 13-1-2 157-8	1 11,202 152.2	1 9.088 332.2
MODE- 3F. RFM- 1000,			DE 51. DAMPING- 0-17 %
RECORD NO. 727	720 NJ 720	RECORD NO. 729 NUX 3 (863 8)	MOX 3 (8LD 5)
SGE LAU-STANI LOEGI	SG* ARP PAS (AU-STRV) (JEG)	SCO (RU-STRN) (DEG)	SGE (MU-STRM) (DEG)
1 1.003 100.0	1 1.000 0.0 11 0.000 0.0 13 0.210 -11.3	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.500 0.000 - 0.500 0.000
\$ 0.83 18C.3 3 0.200 180.0 1.005 0.0 5 0.104 15.9	14 1.007 0.0	= 8 565 8 8 2 8 565 - 6 5	6.550 C.C
7 6:33 6:5	\$ 0.000 166.0 15 0.600 16 0.255 180.0	2 8 6 6 6 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5	10 0.750 0.0 - 6.530 2.0
0.077 0.0 0.274 -107.0 10 3.141 -159.9	15 0.69% 0.6 16 0.205 180.0 - 0.000 180.0 12 0.311 180.0	2 8 8 8 8 6 5 2 6 8 8 8 8 8 8	- 0.50 0.0 - 6.63 0.0 1 1.600 0.0
4F 1 4.405 163.2	1 12.707 -102.0	1 10.702 102.8	1 4,235 61.0
#ODE- 18. EPM- 1000.			
	FREQUENCY 24-50 MZ IBL	4DE 81, 24.45 MZ (6LA	0E 51. DAMPING- 0.96 I
	RECORD NO. 725		
MECORD 40. 724	RECORD NJ. 725 Hur 2 18.0 61	RECORD NO. 776 NVE 3 1840 8;	efcoco en 726 Mux 3 (600 5)
SGE (NU-STRN) (DEG)	RECORD MJ. 725 MUR 2 18.0 81 SGF APP PTS INU-STRY! (JEG!	RECORD NO. 726 Not 3 1860 8; See Amp PHS (mj-strm) (DEG)	AFCORD ED. 726 MUS 3 (BLO 5) SG# ARP PHS (MU-STRM) (DEG)
SG (NU-STAN) (DEG)	RECORD MJ. 725 MUR 2 18.0 81 SGF APP PTS INU-STRY! (JEG!	RECORD NO. 726 Not 3 1860 8; See Amp PHS (mj-strm) (DEG)	AFCORD ED. 726 MUS 3 (BLO 5) SG# ARP PHS (MU-STRM) (DEG)
RECORD 40. 724 MUX 1 (FLD b) SGE APP N: (DEG) 1 0.003 0.0 2 0.003 0.0 3 0.003 0.0 4 0.003 0.0 4 0.003 0.0 5 1.003 0.0 6 0.003 0.0	RECORD MJ. 725 MUR 2 (8.0 81 SGF (MU-STRY) (9E6 1 0.000 0.0 11 0.000 0.0 13 0.030 180.0 14 0.000 0.0 15 0.000 0.0 16 0.000 0.0 17 0.000 0.0	RECORD ND. 736 NI 3 18LD 83 SC (RU) 578H1 (DEC 1 0.000 C.3 - 0.000 B.3 - 0.000 B.3	AFCORD ED. 726 MUS 3 (BLO 5) SG# ARP PHS (MU-STRM) (DEG)
#ECORD 40. 724 MUX 1 (ELD b)  SG# (MU-STRN) (DEG)  1 0.000 0.0  2 0.000 0.0  3 0.000 0.0  4 0.000 0.0  5 0.000 0.0  6 0.000 0.0	RECORD MJ. 725 MUR 2 18.0 81  SG# LMU-STRY1 (DEG  11 0.000 0.0 13 0.030 180.0 14 0.000 0.0 15 0.000 0.0 16 0.000 0.0	RECORD ND. 736 NI 3 18LD 83 SC (RU) 578H1 (DEC 1 0.000 C.3 - 0.000 B.3 - 0.000 B.3	AFCORD ED. 726 MUS 3 (BLO 5) SG# ARP PHS (MU-STRM) (DEG)
RECORD 40. 724  MUX 1 (ELD 8)  SG8	#ECORD MJ. 725  MUE 2 18.0 81  SG	### 10 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	#FCORD ED. 726 #WWW 3 (860 51)  560 (#W-578#) (066)  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00  - 8.500 (0.00
#ECORD 40. 724 MUX 1 (ELD b)  SG# (MU-STRN) (DEG)  1 0.000 0.0  2 0.000 0.0  3 0.000 0.0  4 0.000 0.0  5 0.000 0.0  6 0.000 0.0	RECORD MJ. 725 MUR 2 18.0 81  SG# LMU-STRY1 (DEG  11 0.000 0.0 13 0.030 180.0 14 0.000 0.0 15 0.000 0.0 16 0.000 0.0	RECORD ND. 736 NI 3 18LD 83 SC (RU) 578H1 (DEC 1 0.000 C.3 - 0.000 B.3 - 0.000 B.3	AFCORD ED. 726 MUS 3 (BLO 5) SG# ARP PHS (MU-STRM) (DEG)
RECORD 40, 724 MUX 1 (ELD b)  SG8 (RU-STRN) (DEG) 1 0.003 0.0 3 0.003 0.0 3 0.003 0.0 4 0.003 0.0 5 1.003 0.0 6 0.003 0.0 7 0.003 0.0 7 0.003 0.0 8 0.003 0.0 9 0.5b1 0.0 9 0.5b1 0.0 10 0.003 0.0 10 0.003 10.0 10 0.003 10.0 10 0.003 10.0 10 0.003 10.0	#ECORD MJ. 725  MUE 2 18.0 81  SG# INU-STRV 1 19EG  1 0.000 0.0  1 0.000 10.0  1 0.000 10.0  1 0.000 10.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1 0.000 0.0  1	RECORD NO. 726  NUZ 3 1810 8;  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3  1 0.000 0.3	#FCORD #D. 726 #WWW 3 (860 51  360 (MW-STRM) (DEG)  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (0.00  - 8.5000 (
#ECORD 40, 724  #UX 1 (#LD b)  SG# (#U-STR M) (DEG)  1 0.002 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  5 1.003 0.0  6 0.003 0.0  6 0.003 0.0  7 0.003 0.0  8 0.003 0.0  9 0.003 0.0  10 0.003 180.0  VF 5 61.836 91.7	#ECORD MJ. 725  MUX 2 18.D 81  SG# [MU—TRY 1.166]  1 0.000 0.0 11 0.000 0.0 12 0.000 0.0 13 0.000 0.0 14 0.000 0.0 15 0.000 0.0 16 0.000 0.0 17 0.000 0.0 18 0.000 0.0 18 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 10 0.000 0.0 10 0.000 0.0 11 0.000 0.0 12 0.000 0.0 12 0.000 0.0 13 0.000 0.0 14 0.000 0.0 15 0.000 0.0 16 0.000 0.0 17 0.000 0.0 18 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.000 0.0 19 0.00	RECORD NO. 736  NO. 318-0 376  (MJ-318-0 10-6)  1 0.000 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0	#FCORD #PD, 776 #WWW 3 (860 51  \$60 (NU-\$TEM; CD66)  = 8.000 0.00  \$ 6.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 8.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.040 0.00  \$ 9.0
#ECORD 40. 724  #UX 1 (#LD 8)  SG# (#U-STR N) (DLG)  1 0.002 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  5 0.003 0.0  6 0.003 0.0  7 0.003 0.0  10 0.043 180.0  45 0.003 0.0  47 0.003 0.0  48 0.003 0.0  49 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0	#ECORD MJ. 725  MUE 2 18.0 81  SG# [MU-STRY   13EG  1 0.000 0.0  11 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  11 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.00	RECORD ND, 7%  NUZ 3 18LD 8;  SCO (NU) - 518N; (DLG)  1 0.000 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0	#FCORD ED. 726  #WIX 3 (860 51)  \$60 (NU-\$TEN; (066)  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  5 45.42 2744  OE 51, BANPING- 1.34 2  ***RECCRD MO. 723  ***WIX 3 (860 5)  \$60 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
#ECORD 40. 724  #UX 1 (#LD 8)  SG# (#U-STR N) (DLG)  1 0.002 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  5 0.003 0.0  6 0.003 0.0  7 0.003 0.0  10 0.043 180.0  45 0.003 0.0  47 0.003 0.0  48 0.003 0.0  49 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0	#ECORD MJ. 725  MUE 2 18.0 81  SG# [MU-STRY   13EG  1 0.000 0.0  11 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  11 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.00	RECORD ND, 7%  NUZ 3 18LD 8;  SCO (NU) - 518N; (DLG)  1 0.000 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0	#FCORD ED. 726  #WIX 3 (860 51)  \$60 (NU-\$TEN; (066)  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  5 45.42 2744  OE 51, BANPING- 1.34 2  ***RECCRD MO. 723  ***WIX 3 (860 5)  \$60 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
#ECORD 40. 724  #UX 1 (#LD 8)  SG# (#U-STR N) (DLG)  1 0.002 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  5 0.003 0.0  6 0.003 0.0  7 0.003 0.0  10 0.043 180.0  45 0.003 0.0  47 0.003 0.0  48 0.003 0.0  49 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0	#ECORD MJ. 725  MUE 2 18.0 81  SG# [MU-STRY   13EG  1 0.000 0.0  11 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  11 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.00	RECORD ND, 7%  NUZ 3 18LD 8;  SCO (NU) - 518N; (DLG)  1 0.000 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0	#FCORD ED. 726  #WIX 3 (860 51)  \$60 (NU-\$TEN; (066)  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  5 45.42 2744  OE 51, BANPING- 1.34 2  ***RECCRD MO. 723  ***WIX 3 (860 5)  \$60 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
#ECORD 40. 724  #UX 1 (#LD 8)  SG# (#U-STR N) (DLG)  1 0.002 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  5 0.003 0.0  6 0.003 0.0  7 0.003 0.0  10 0.043 180.0  45 0.003 0.0  47 0.003 0.0  48 0.003 0.0  49 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0.0  40 0.003 0	#ECORD MJ. 725  MUE 2 18.0 81  SG# [MU-STRY   13EG  1 0.000 0.0  11 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  11 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.00	RECORD ND, 7%  NUZ 3 18LD 8;  SCO (NU) - 518N; (DLG)  1 0.000 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0.600 0.3  - 0	#FCORD ED. 726  #WIX 3 (860 51)  \$60 (NU-\$TEN; (066)  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  - 8.500 0.0  5 45.42 2744  OE 51, BANPING- 1.34 2  ***RECCRD MO. 723  ***WIX 3 (860 5)  \$60 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
#ECORD 40. 724  #UR 1 (ELD b)  SG# (MU-STR N) (DEG)  1 0.003 0.0  2 0.003 0.0  3 0.003 0.0  4 0.003 0.0  4 0.003 0.0  5 0.003 0.0  6 0.003 0.0  7 0.003 0.0  8 0.003 0.0  9 0.003 0.0  10 0.004 10.0  45 0.003 10.0  46 0.003 10.0  47 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  48 5 0.003 10.0  40 5 0.003 10.0  4	#ECORD MJ. 725  MUE 2 18.0 81  SG# [MU-5184   19EG  1 0.000 0.0  11 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  19 0.000 0.0  10 0.000 0.0  11 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  12 0.000 0.0  13 0.000 0.0  14 0.000 0.0  15 0.000 0.0  16 0.000 0.0  17 0.000 0.0  18 0.000 0.0  19 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.000 0.0  10 0.00	RECORD ND, 7%  NUZ 3 18LD 8;  NUZ 3	#FCORD #PD 7726 #WWW 3 (860 51)  \$60 (MW-\$TEM; COE6)  = 8.000 0.00  \$ 6.040 0.00  \$ 6.040 0.00  \$ 6.040 0.00  \$ 6.040 0.00  \$ 8.000 0.00  \$ 8.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.000 0.00  \$ 9.

4006- 1F. RPM- 0.	FREQUENCY- 5.17 HZ 18L	ADE 81. 5.30 HZ FBLAS	DE 51. BARPING- 0.64 1
RECORD VO. 760	RECORD HO. 767	RECORD NO. 700	RUR ) (BLO )
SGO AMP PHS	SCO (MU-STRV) (DEE)	SGO (NU-STEN) (DEG)	SGF ARF FRS (RU-STRN) (DEG)
\$ 3:883 8:8	1 1.000 100.0 11 0.040 100.0 13 0.040 100.0 10 0.136 100.0 15 0.136 100.0 15 0.000 -111.2	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.
3 8.425 8.8	11 0.040 160.0 13 0.050 180.0 14 0.053 180.0	5 0 0 0 0 0 0 0	6 6 6 7 1 1 6 6 7 1 1 1 1 1 1 1 1 1 1 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16 6.636 -113.3	- 0.000 - 0.000 - 0.000	16 6:630 6:0
18 8:303 8:8	12 0.000 0.0 12 0.000 0.0	t 0.460 0.3	
NF 1 24.337 -44.5		1 20.495 3.3	1.000 0.0
MOUE- 45. RPM- 0.	**ESUENCY* 32.22 45 18L	40£ 81. 32.96 M2 (8LA	DE 31. BARPING- 0.00 I
### 1 (#LO 4)	RECORD NJ. 761 MUL 2 (810 8)	RECUED NO. 762	SECORD NO. 742
SGF ANY PHS	SGE AND PHS	5 G6 48P PHS	See (NU SYRU) (DES
1 1.000 0.0		1 1.000 9.9	
3 5.491 185.3	1 5.602 186.5 12 6.602 186.5 12 6.502 186.5 13 6.502 186.5	1 00000 00000 000000 000000 000000 000000	
9 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 8 674 18 8		9 <b>5</b> 5 5
7 6.003 0.003 3.295	. 81828 818	- 0.000 0.3 - 0.000 0.3	
10 0.003 0.0			
WF 1 14.725 84.7	1 14.889 -112.7	1 14.414 95.1	1 4.664 6.3
#QUE- 34, #F#- 0,	FREQUENCY+ 40.42 MZ (BL		
RECORD 40. 797	RECORD NO. 758	RECORD NO. 759	RECORD NO. 759
SGE ARP PHS	SGP APP PAS (AU-STRY) (DEG)	SGO (MJ-STEN) (DEG)	560 (My-578M) (DEG)
1 1.003 0.3	1 1.000 0.0		
1 1.000 0.0 0.000 0.0 1 0.000 0.0 1 0.000 0.0	8:858	= 6:00	
	15 6.656 6.6 15 6.659 8.6	6.6 6.6 6	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
# 0.000 C.3	= 8:553 <b>8:8</b>	00000000000000000000000000000000000000	1 6:33 6:8
10 0.000 0.0 4F 1 4.4CB 82.7	12 0.000 0.0	1 4.299 "3.7	1.000 0.0
_			
40064 1E. 4740 0. RECORD 40. 754 MUR 1 (860 8)	MOT S (8" D 8) - LAA	ADE 91. 23.65 M2 (944) RECORD NO. 796 MUX 3 (840 9)	RECORD ED. 756 Nux 3 (EFO 5)
		16) ARP PHS	
CMU-STAME (DEG)	(80-2144) (266)	INUTSTAN) (DEG)	(MO-374H) (D.C)
1 0.000 0.0 0.000 0.0	1 0.02 0.0 1 0.000 0.0 1 0.000 1.000	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 6.630 6.6 6.630 6.6
9 0.000 0.0	1. 0.038 180.0 14 0.003 0.0 5 1.003 0.0 15 0.003 0.0 16 0.003 0.3	5 9:888 8:B	10 01-15-0 00-0 10 01-15-0 00-0 10 01-15-0 00-0 10 01-15-0 00-0
9.661 0.0 1 0.001 0.0 2.201 0.3	1. 0.000 0.000 0.000 0.000	- 6.606 6.9 - 6.606 8.9	
6 3.203 0.3 4 2.137 0.0 10 0.076 160.0	12 0.000 0.0	- 0.000 6.3	7 0 600
At 2 40'ST, -134'4	5 46.296 152.7	. 47.507 46.3	9 80-939 246-3
nOpe- it, wem- o.	FREQUENCY= 43.95 M2 (BL	ADE 01. 44.16 HZ (BLA	DE 51. BARPIRGO 0.56 %
#ECO#D Np. 751	RECORD ND. 752 NDx 2 (6.0 6)	#EC040 MG. 753	##COND FO. 753
SGS EMP PMS	See AMP PMS (MU-STRY) (DEG)	SGO ARP PHS	SCO ARP PHS (MLS)
1 0.021 0.0	1 6.000 9.0		- 0.000 0.0
0.003	11 0.000 0.0	- 0.000 0.0	
	11 0.000 11 0.000 12 0.024 180.0 15 0.777 178.0 15 0.000 0.0	1 0.000 0.3 - 0.000 0.3 - 0.000 10.0 - 0.000 10.0 - 0.000 0.3	18 8:838 8:8 - 8:838 8:8
10 0.003 0.0 10 0.003 0.0	• 1.680 0.0	- 0.000 0.3 - 0.000 6.3	
10 0,003 0,0	12 1,147 0.0	0.000 6.3 0 27.507 75.1	1 0.000 0.0

400f- 14. 8Pm- 1000.	FREQUENCY+ Sau71 HZ (BL	ADL 61. 16.72 MZ EBLA	DE 51. DAMPING=+7.51 I
8c Curo 70 736	#10 0 43. 737	RECORD NO. 230	RECOGD NO. 738
SGO (RU-STAN) (DEC)	200 (mu-2184) (351)		SG # ARP PMS
1 1 444 1 4		1 1.000 5.3	- 9-909 9-9
<b>₹ ₫•</b> δ35 <b>ጰ•</b> ÿ	11 (.611 .13.)	- 0.00¢ 8.3	
3 9 8 3	14 0.023 0.0 5 1.147 -12.4	- 0.000 (-2 1.117 -17.7 2 0.000	= 8:000 B:8
7 000 -100	15 6.600 0.0 16 0.660 0.0 - 0.660 0.0	- 0.000 0.3 - 0.000 0.3 - 0.000 0.3	10 8:008 8:8
10 0:163 140.0	- 0.663 0.0 0.679 0.0 12 6.070 0.0	- 0.000 9.5 9 0.651 6.5 - 0.000 6.5	7 9:858 8:8
48 1 10-130 -20-6	1 25,476 165.3	1 15.234 184.6	1 10.227 306.0
#Ope- 25, *>*= 1030,	FREDUENCY- 54.62 HZ (BL)	LDE 81. \$5.22 M2 1844	){ 51. DAMPING. 0.45 %
# Cuep #p. 73*	RECORD NO. 740 MUR 2 (RLD 8)	RECORD NO: 741 NUR 3 1810 81	RECORD NU 741
			Sca Ant Pus
INV-STAMI (DEGI	INU-STRAT (DEL)	THU-STAND LOEGD	- 0.000 (0.0
1 1.065 0.00 1 0.005 1.000 1 0.005 1.000 1 0.005 1.000	1 1.000 0.0	1 1.000 C-3 - 0.500 C-3	3 9:928 -138:1
9 9 9 9 160 0	1 1 2 7 1 1 1 1 1	= 0.000 - 0.00	• 6:831 8:8 8:8
\$ 3.772 160.6 0.000 0.000	3 3.747 13 1.439 -126.4 16 0.600 0.0	= 8:868 2:3	
0 0055 0 004 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 1:434 -110:4	- 0.000 Und	1 1.000 6.0
MF 4 4.384 107-6	1 10,634 )6,6	1 5.676 -19%-5	.1 4.480 24.5
Manso 48. 8° Me 1000.	FREQUENCY+117-04 HZ 4ML	ade es. 11a.22 m2 esta	DE 51. DAMPING- 0.39 %
# CURD 40, 742	RECORD W3. 743	MUN 3 (BL) 01	RECORD MD. 744 MUR 3 (BLD 5)
	SEO APP PAS	CCU ARP PHS	See Tub Stant (Dec)
(MU-STEM) (DEG)		(MO-ZIKM) (CTA)	***********
	1.000 0.75 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1	£:8 833.8 ±	- 8:6:13 -4:3 - 6:6:4 1.6:3 - 8:808 1.6:9
3 13.431 35.4	1 1.142 0.3 9 0.174 -142.8 15 0.225 0.0	2 0.000	8,513 -41.5
7 6.001 6.6	16 0.000 0.3	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 8-858 8-8
10 (111) -11:11	12 0.416 16.0	- 0.000 4-3	1 1:530 8:8
46 1 4.525 82.7	1 9.000 -102.6	1 12.100 -51.3	1 3.954 -67.0
90UE+ LE. RP#+ 1000,	FREQUENCY+ 34.79 m2 164	ADE 81. 24.03 HE 68EA	DE SI. DAMPING- 0-91 I
ECCURD 10. 745	RUX 2 (B_C E)	RECORD MA. 747	RECORD HO. 747
568 A47 PMS	SSP AND PAS (NU-STRY) (UEG)	See THE SHE	Sue ARP PHS
\$ 2:833 8:83 8:83	1 0.645 1 0.64	1 0.000 - 0.000 - 0.000 - 0.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000	- 0.000 - 0.000 - 0.000 - 0.000
\$ 1.505 G.O		- 0.000 0.3 5 1.600 0.3 - 0.000 0.3	0.000 0.0
\$ \$1993 813	• 0.500 • 0.500 • 0.500	- 3.000 0.3 - 9.000 (.3	16 0.650 0.6
10 0.016 100.0	12 6.200 6.0	- 0.000 0-3	1 6.030 -144.4
4F 5 43.285 76.5	5 00.014 52.7	5 49.626 37.7	•
#ODE - 17. #PM- 1000.	FREQUENCY+ 50.27 MZ IBL		DE \$1. DAMPING -0.15 %
MAY J IRED BY	# £ C D £ D £ D £ D £ D £ D	46CU30 NG. 75U 5C8 APP PHS	######################################
SG# 64P PYS (RU-STRN) (DEG)	INN-STRAS TOESS	SGS ARP PHS (RU-STRM) (DEG)	SC# (NU-STR#) (0%6)
1 0 2 4 -199 1 3 0 2 7 1 2 6 8 3 0 2 7 1 1 2 6 8	1 0.629 -133.7	1 0.213 -160.9	8:8 893:8
3 9 8 8 1 1 2 5		- 0.000 0.5 - 3.000 0.5 5 3.000 1005 - 2.000 9.5	9 9 3 3 1 1 0 0 0 0 0 1 5 0 0 0 0 0 0 0 0 0
3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 6:37: 4.6:6	, ,,,,,	9.888 8.8
a 6.33. 6.3	16 0.057 100.0	- 8.888 5.3	10 8.838 8.8
10 2 10 5 5	11 0.202 10.0 14 0.106 180.0 15 0.771 10.0 16 0.007 100.0 16 0.000 0.0 1 1.000 0.0	- 0.000 C.3 - 0.000 C.3 - 0.000 C.3 - 0.000 C.3	- 6.000 8.0 - 6.000 8.0 - 6.000 8.0 - 6.000 8.0 - 6.000 8.0 - 6.000 8.0 - 6.000 8.0

## DATA NOT AVAILABLE

MODE- 2F. RPH- 5	्क्रिक्षक्रिक्टक्ट्र 10 32.17 HZ 184		DE 51. DARFING- 0-49 I
RECORD NO. 612 %	MAT S 18'0 8's	RECORD NO. 043	SECOSO NO. 5:3
SGO (MU-STEM) (DEG)	SGO AND PUS (NU-STRY) (DEG)	SGE STEMS (DEG)	SGB AND PHS (AU-STRW) (DEG)
		1 1.000 0.00 - 0.000 0.00 - 0.000 1.000 - 0.000 0.000 - 0.000 0.000 - 0.000 0.000	- 0.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.000 - 1.00
wf 1 4.537 114.2	1 4.304 -10.5	1 4.310 -52.2	1 1.860 127.8
	FREUUFNCT- 90.69 HZ 186		
RECURD NO. 544	RECORD NJ. 649 NUX 2 (8-5 B)	RECORD NO. 646	RECORD NO. 646
SGO AMP PMS (DEG)	SEE AMP PMS	SGE AND PHS	SGO ARP PHS.
1 1.003 0.0 1 1.104 180.6 1 1.105 180.6 1 0.003	1 7:700 20:0 1 7:700 20:0 1 8:17 10:0 1 8:17 10:0 1 8:17 10:0 1 8:17 10:0 1 8:17 10:0 1 8:17 10:0 1 8:17 10:0	1 1.000 V.3 - 0.000 V.3	00000000000000000000000000000000000000
#OpE- 14, R/M- 0.	**************************************	ADE 81. 22.00 M2 (8LA	
RECUAD WD. 647 MUR 2 88LD 83	#2CD*D #0. 448	# 'CORU HO. 699	BECCED NO. 649
SGO ARP PM	56 (FU-5784) (DEL)	STO EMU-STRAI IDEGI	168 (NU-\$1EH) (086)
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 C.0000 0000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 00000 110 000000	5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
us 5 86.6% 41.6	5 67.163 11.1		
	##EQUENCY+ 39-01 H2 EBL	40E 81: 41.65 HZ (8LA)	0.97 1 048FIMG 0.97 1
RUE 1 (8LD 8)	RECORD MG. 451 MUX 2 48 D 61	RECORD NO. 652	RECORD MD. 452 MUR 3 (BLD 3)
RECURD NO. 050 NUX 1 (810 8) SGB ADP PHS (MU-SYRN) (DECI	SGO (AU-STRY) (DEG)	SC (MU-STEN) (DEGÎ	SGO (AU-STRN) (BEGI
C.CAT   105-0   C.CAT   105-	1 0.043   11.4 11 1.320   180.0 12 0.034   11.1 13 0.034   180.0 14 0.0300   180.0 15 0.0300   0.0 17 0.0357   0.0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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4006+ .f. 49#+ 4000+	FREQUENCY- 19.33 HZ FAL	ADE 81. 19.44 HZ 18LA	DE 51. DAMPING 0.01 1
RECORD VO. 666 MUR 1 (840 8)	RECOMP NJ. 607	RECORD NO. 646	RECORD NO. 666
SGO AND PHS	SGE APP PHS (NU-STRY) IDEG!	SGS (MU-STAN) (DEC	SGO ANP PMS
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.	1 1.000 0.0 11 0.132 19.7 14 0.000 123.6 15 0.000 0.0 16 0.000 0.0	1 1.000 G.0 - 0.000 G.7 - 0.000 J.7 - 0.000 J.7 - 0.000 J.7	- 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0
8 9 9 1	- 0.000 0.0 9 0.469 -10.6 12 0.057 0.0	9 0.035 -93.3	= 8:800 8:8 1 1:800 8:8
4F 1 32-021 1-5	1 25.104 -313.3	1 3.640 176.3	1 6,317 350.0
MONE. St. Min. Torc.	F4EQUENCT- 54.43 H1 COL	ADE 01. \$4-42 M2 (BLA	DE 5), DAMPING" 0.54 %
RUN 1 (BLD 6)	MUR 2 (BLD B)	RECORD NO. 665 NUX 3 (RLD 6)	RECORD NO. 665
SGE AMP PMS (MU-SYRN) (DEG)	See Val (DEC)	SCO AND PHS (RU-STAN) EDEC)	SGO AND PHS
	1 1.000 0.0 11 0.000 0.0 12 0.425 0.0 14 0.425 140.0 15 0.425 150.0 16 0.101 23.0 17 0.507 75.0 17 1.614 180.0	1 1.000 C.3 - 0.000 0.3 - 0.000 0.3 - 0.000 103.7 - 0.000 103.7 - 0.000 103.7	- 0.000 8.00 - 0.000 - 0.00 - 0.000 - 0.00
WF 1 8.246 -143.8	1 10-744 -127.6	1 10.271 -124.4	1 12.966 30.3
mggf+ 3f, RPM= 1000,	FREQUENCY-116.91 HZ 184	ADE 87. 117.03 HF (8LA	DE 51. DARPING- 0-03 1
RECORD 40. 659	RECORD H) 661	RECURS Mp. 662	HUX 3 (ELD 5)
SGO AMP PMS	SEE ARP PHS EMU-STRY) (DEC)	SES ARE PHS	SEE (RU-STRN) IDES
	1 1.000 0.00 11 0.000 0.00 12 0.000 0.00 12 0.000 0.00 14 0.000 0.000 14 0.000 0.000 15 0.000 0.000 16 0.000 0.0000 16 0.000 0.000 16 0.000 0.000 16 0.000 0.000 16 0.000 0.	1 1 000 CO 000 C	- 0.000 -1.000 - 0.000 -1.000
WF 1 0.285 -148.6	1 11.927 110.5	1 14.777 -109.5	1 14.342 37.0
4006- 1t. RPR- 1000.			DE 51. DARPING- 0.97 %
RECORD MO. 096 PUT 1 IELD 61	RECOSO N3 - 657 PUR 4 (8.0 0)	RECURD 92 658	BECORD NO. 430
SGB AND PHS	SGO INU-STRA: LOEGE	SCO (MY-STEM) (D[C)	See turely toles
1 0.031 180 C C C C C C C C C C C C C C C C C C C	1 00 00 00 00 00 00 00 00 00 00 00 00 00	1 0.010 -137.9 - 0.000 -150.0 - 0.000 -150.0 - 0.000 -150.0 - 0.000 -150.0 - 0.000 -150.0	- 0.000 0.00 - 1.000 0.00 - 1.000 0.00 - 0.1710 0.00 - 0.1710 1.00 - 0.000 1.000 - 0.000 1.000
WF \$ 101.449 -124.7	9 102-001 -175-0	5 112,515 8,5	5 \$3.433 188.5
MD0f- 17. 4PR- 1000.		AD: 81, 38.65 HT (81.0	ADE 51. DAMPING- 1.21 E
RECORD VO. 653	RECORD NO. 654 NUR 2 (8.0 8)	RECORD NO. 655	RECCID NO. 455
56" (MU-3; H) (DEG)	SG* (MU-STRY) (DEG)	SGO CRA-CRA COLCS	SGP AMP PMS (MUSTRH) (DEG)
1 0.00 3 38.3 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.0 3 6.	1 0.027 -30.0 11 0.000 10.0 13 0.033 10.0 14 0.000 0.0 15 0.179 10.0 16 0.000 0.0 17 0.000 0.0 18 0.000 0.0 18 0.000 0.0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00

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#006- 1f. RPM- 0.	FREQUENCY - 5-18 MJ (BL	ADE 81. 5.34 MZ (8LAC	E 51. DAMPING- 0.68 %
RECURD 40. 670	RECORD M3. 671	RECORD NO. 972 NUM 3 (BLD 8)	RECORD NO. 472 Nux 3 (860 3)
SGO AND PHS	SGO (AU-STRY) (DEG	SGO (MU-STRNI EDEGI	SCO (RU-STRN) (DECI
1 1.000 0.00 1 0.757 0.00 2 0.757 0.00 2 0.757 180.00 2 0.051 180.00	1 1-00c 0.0 11 0.00c 1.0 12 0.00c 1.0 15 0.00c 1.0 15 0.00c 0.0 16 0.00c 0.0 17 0.00c 1.0	1 1.000 U.5	- 0.000 - 0.000 - 0.000 - 0.000
\$ 6:13	14 0.074 100.0	- 0.000 0.0 5 0.43 1.00 6 0.00	8:900 8:8
	0.000	- 0.000 B.B.	- B: 600 II: 0
10 0.000	12 8:143 148:8	- 0.000 1.5.3 - 0.000 0.3	7 7:888 8:8
45 1 10.761 142.7	1 14.717,, -148.0	1 6.523 -163.4	1 6-556 16-6
400E- 2F. RP# . '	FRTBURRYEN 3/ 16 HZ 184		
MECORU NO. 073	RECORD MJ. 974 MUR 2 (8.0 %)	#ECORD NO. 675 MUX 3 (BL3 8)	RECORD NO. 679 NOR 3 (BLD 5)
SGO AND PHS	36" (MU-ŠTŘY) (DĚG)	SGO AMP PHS	SG# (MU-STRM) (DEG)
1 0000 -000 1 0000 -000 1 0000 1000 1 0000 1000 1 0000	1	1 00000 00000 000000000000000000000000	- 0.000 0.0 - 0.000 -171-1 - 0.000 0.0 - 0.000 0.0
4 C.649 160.0	11 0:055 1:00:0 11 0:107 1:00:0 12 0:700 1:00:0 14 0:000	5 8 6 8 1 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9 0 206 -121 1 6 1 0 0 0 0 0
3 4:017 36:3	19 0.707 100.0	- 8.808 G:3	10 0:124 -22:0 10 0:124 100:0 - 0:000 0:00 1 1:000 0:0
	0.000 0.0 0.000 1.000	2 8 8 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 1:888 8:8
wf 1 4.120 -64.8	1 904 -152.2	1 4.046 -24-3	1 2,004 91.4
40ut- 31. RPH- 0.	FREDUENCY" 40.32 MZ (BL	ADE 81. 69.27 MZ ERLAS	1 51. DARPING- 1.58 1
Record 40. 676 Mux 1 (810 61	RECORD 43, 677 MUE (6.0 8)	RECURD NO. 679 NUX 3 (BLD 83	RECORD NO. 479 NUX 3 (BLD 3)
SGO ANY PHS (NU-STEN) (DEG)	INU-STANI (UEG)	SGS AMP PMS (MU-STRM) EMEGE	SGO (RU-STRN) (DEG!
\$ 6.737 -130.2	1 2:005 8:3 12 8:612 136:6	1 1.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000	- 0.000 0.0 - 0.204 180.0 - 1.114 0.0 - 0.000 0.0
1 0.095 -45.7	1 6:005 8:3 12 8:35 136.6 13 0:27 -03.8 16 0:000 9:0	5 0.000 8.8 5 0.000 160.2	- 6.000 0.0 5 0.204 140.0 6 1.154 0.0 - 0.000 0.0
9 6 6 7 1 1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	10 0.0.0	- 0.000 0.0 - 0.000 0.2	10 9.999 9.9
# 0.005 0.5 9 0.165 46.8 10 0.053 0.0	15 8:15 156:9	- 0.000 0.0 - 0.000 C.3	10 0.090 0.0 - 0.090 0.0 1 1.000 0.0
4F 1 4.069 73.7	1 4-161 94-2	1 3,917 67,6	1 9.207 -93.4
490f+ LE, 494+ 0.	FREQUENCY+ 21.83 HZ 181	ADE 41, 21.76 HZ (BLA	
RECORD WO. 480 Mux 1 (alu 8)	8 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	RECURD MO. 682	RECORD MO. 487 MUX 3 (BLD 5)
SGR AMP PHS (MU-STEN) (DEG)		See (MAT-2 LEMS (BFC)	SG* (MU-STRN) (DEG)
1 9:863 1 9:863 1 9:863 1 9:863	1 C.C. 0 0.0	1 0.021 6.7 - 0.000 6.7 - 0.000 6.7 - 0.000 6.7	- 0.000 0.0 - 0.000 0.0
\$ 8683 8:3	11 C.CO 0.0 13 0.00 10.00 14 C.CO 0.0 15 0.000 0.0	- 3.000 6.3 - 0.000 6.3 - 0.000 6.8 - 0.000 6.8	2 8:333 8:8
9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 0.000 0.0	- 3:565 6:5	
7 2 55 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0.035 7.3	- 0.000 0.3 9 0.164 6.0	10 0.000 0.0 - 0.000 0.0 1 0.023 1000
uf 5 50.941 176.2	3 35,009 46.3	5 53.093 37.4	5 50.033 217.4
400g- 17. RPM- 0.	FREQUENCY- 37-89 HZ (BL	ADE 81- 42-27 HZ 68LAD	
RECORD YOU 683	RECOMP H3. 685	RECORD NO. 488	RECORD NO. 646 RUX (BLD 31
SGB ANP (DEC)	SGR (MU-STRY) PMS	SGF AMP RHS (RU-STRM) (DEG)	SGB (MU-STRN) (DEG)
1 0.049 0.0	1 0.0mC 0.0 11 0.000 -1000 13 0.000 -1000 14 0.000 82.8	1 0.071	- 8:868 8:8 - 9:668 8:8 - 9:668 8:8 - 8:668 8:8
3 0:027 1e0.0 3 0:003 1e0.0 3 0:003 1e0.0	13 0.080 -109.2	- 0.000 0.5 - 0.000 0.5 - 0.000 0.5	
9 8:065 100.0	15 0.34 0.0 16 0.003 0.0 1 0.003 0.0	7 2.22 2.3	10 8:888 8:8
\$ 8000000000000000000000000000000000000	- 0.003 0.C	- 0.000 - 0.000	1 8 8 8 8
ms 4 10.614 42.7	9 9.478 29.4	4 9.020 -48.6	9 0.331 -92-0

	FREQUENCY+ 18.42 MZ fac	ADS 43. 18.40 M2 (dL4)	DE 51. DAMPING. 0.10 T
### 1000 ### 1000 #### 1000 ###########	RECORD NO. 499	RECORD NO. 700 NUX 3 (6LD 8)	RECORD NO. 700 NUR 3 (BLD 5)
RECORD VO. 698 MUX 1 (810 8) SG8 AMP PMS	SGG AMP PAS (MM-SIEA) (DEG)	SGO ABP PHS	SG# (MU-STRN) (DEC)
(MU-STRM) (DEG)		1 1.000 0.0	
\$ 8.833 8.8 \$ 8.833 8.8	11 7.612 -183.5	- 0.000 0.3 - 0.000 0.3	- 0.000 0.00 5 1.021 1.000 - 0.000 0.00 - 0.000 0.00
1 1:453 8:8	14 0.029 -12.5	5 1.665 -16.6 - 3.665 -26.5 - 0.666 9.5	- 0.000 0.0 - 0.000 0.0
9 1 201 6 8	8:005 1°0.7	• 0.000 V.V	10 0.000 0.0 - 0.000 0.0
10 0:21 1000	14 6.000 180.0	• 0.772 0.3 - 0.000 0.0	1 1:868 8:8
WF 1 21.552 146.1	1 17.571 120.0	1 17.161 0.3	1 12.057 169.6
MODE= 25, RPM= 1000,	FREQUENCY- SZ.64 MZ (BL		
MAN T (PED M)	#ECOND K3 846	afcord xp. 697 Mux 3 (800 6)	RECORD NO. 697 NOX 3 (860 5)
SCF AMP PHY	SGB (MU-STRY) (DEC)	SCO (NU-STANE (DEC)	SCO (MU-STAN) LOEGI
	1 1.000 0.0 11 0.000 1.000 14 0.201 1.000 15 0.100 1.000 16 0.100 1.000	1 1.000 0.0 - 0.000 0.5 - 0.000 0.5 - 0.000 - 0.5 - 0.000 - 0.5 - 0.000 - 0.5 - 0.000 0.5	- 0.000 0.0 - 0.000 0.0 5 3.400 1.000
4 0.834 160.0	11 0 00 10 100 0	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 - 0.0 - 0.000 - 0.0	3 3.496 180.0 9 1.148 180.0
		- 0.000 0.0	1 1148 180.0 2 0.000 0.0 3 0.000 -153.8 10 0.000 0.0
1.717 1.00	0.000 0.1305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305 1.305	- 0.000 0.0 213 -13.6 000 0.0	- 0.000 0.0 - 0.000 0.0
10 0.542 180.U 4f 1 2.726 -162.2	12 3.141 180.0	1 5.317 100.0	1 5.115 240.4
	FREQUENCY-110.74 HZ (BL)		ne si. Banatug- n.aa T
#00E+ 3F, kpM+ 920;	RECORD NO. 702 NUR 2 (NLO 8)	85 CARD WG. 704	
RECURU VO. 701			RECORD NO. 703 NUX 3 (BLO 5)
SGO (MU-STEN) IPEG	(#U-2, 94) (DEC)	SGO INU-STRNI (DEG)	(MUTSTRN) (DEG)
1 0 1 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 11 610 -1503	1 1.000 0:3 - 0.000 0:3 - 0.000 0:3	- 8:200 -1A9:4
2 9 7 1 1 0 0	5 8.434 180.U	- 0.000 -50.1 - 0.000 -50.1	= 3.50 13.1 - 3.600 0.0
0 101 160 0 0 101 160 0 0 107 110 0		2 0.000 0.3	10 0.000 0.0 10 0.000 0.0 10 0.000 0.0 1 1.000 0.0
19 8,592 1,518	12 1.032 140.0	- 8:000 -1.6:5	
4F 1 15:08P -134:4	1 4,610 134.3	1 2.569 -50.7	1 1.320 10.6
400f - 18 - RPM- 1000+	FREQUENCY - 21, 99 HZ (\$L		DE 51. DAMPING- 0.26 %
#50 PD NO. 640	RECORD W) . 691	RECORD NO. 692 NUX 3 (863 6)	RECORD NO. 492 NUX 3 (8LD 5)
SGS AB? PHS	SGP AMP PMS	SGO (RU-STRN) (DEG)	SGO CHR-STANS COECS
1 0.10° 180.0 1 0.001 180.0 1 0.001 0.0	1 0.108 100.0 1 0.005 0.0 1 0.005 10.0	1 0.130 1.00.3 2 5.600 8.3 3 7.600 8.3	- 0.000 0.0 - 0.000 0.0
\$ 6.000 0.000 \$ 1.000 0.0	13 8.833 1.838	- 5 6 6 8 5 5 1 6 6 8 5	1.000 0.0 0.000 -24.3 - 0.000 0.0
9 0.731 0.0	13 0.000 0.0 13 0.000 0.0 14 0.000 0.0	2 21862 318	10 6.000 0.0
6 0.137 180.0 9 0.261 180.0 10 0.042 156.5		- 8 2 0 0 - 1 0 3 - 0 6 0 0 - 1 0 3	- 0.000 0.0 - 0.000 1.000
NF 5 60.154 -139.0	5 50.724 -1.7	5 60.906 25.9	5 40.442 205.9
MODE - 17. RPM- 1000.	FREQUENCY- 38.10 HZ (BL		DE 51. BARPING- 1.03 T
86CURD 40. 687	RECORD WO. ASS MUX 2 (SLD 6)	RECORD NO. 689 RUE 3 (BLD 8)	RECORD NO 51
SGE AMP PHS	#UX 2 (8(0 6) \$60 ARP PMS (MU-\$124 / (DEG)	INU-STRME (DEG)	SGS (MU-STRM) (CEC)
		1 8:853 17:3	- 0.000 0.0 5 0.000 0.0
	7	- 0.000 0.3	2 1.474 0.0
\$ 6.035 192.6 \$ 6.035 -26.0 \$ 6.035 -26.1	1, 0.01	= 0.800 0.800 0.300	£ 8:338 18:3
\$ 1.311 0.0 \$ 1.311 0.0 \$ 0.004 0.0	1 0.057 180.0 11 0.060 0.0 12 0.041 10.0 14 0.041 10.0 15 0.717 -72.5	- 0.000 0.3 - 0.000 0.3 - 0.000 5.3	5 G 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7
3	15 0.041 0.0 5 2.214 120.0 15 0.017 -72.5 16 0.000 0.0 - 0.000 0.0 1.000 0.0	2 8:38 8:3	5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

400E+ 15+ RPM+ 0+	FREQUENCY* 5.21 MZ (#	LADE 81. 5.21 M2 (GLAD	E 51. DAMPING. 0.58 %
RECURD VD. 401	RECORD NJ + 402 MUA 2 (9_D G)	RECURD NO. 403	RECORD NO. 403
SGR ARP PHS (MU-STRN) (DEG)	SGE (4U-STR4) (DEG)	SGO AMP PHS (MU-STEN) (DEG)	SCO (NU-STRN) (DEG)
1 1.000 0.0 2 3.727 0.0 3 0.360 0.0 4 0.131 0.0 5 0.000 0.0	14 0.053 0.0	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 5 0.119 180.5	- 0.000 0.0 - 0.000 0.0 9 0.000 0.0
6 0.045 180.0 7 7.044 180.0 6 0.862 0.9 9 3.87 0.0 10 0.084 180.0	15 0.075 1#0.0 15 0.075 0.0 16 0.070 0.0 1 0.070 0.0 1 0.070 0.0	1 1 000 000 000 000 000 000 000 000 000	10 0000 0.00 10 0.000 0.00 - 0.000 0.00 1 1.000 0.0
4F 1 81.144 147.9	1 56.62 7 59.7		1 5.305 103.5
NODE= 2F. RPM= 0,	FREQUENCY+ 32.36 HZ 18	LADE 81. 32.23 HZ (BLAD	E 51. DAMPING- 0-55 %
RECORD NO. 404 Rux 1 tald 8	RECORD 40 405 NUE 2 (8.0 6)	RECORD Mp. 406 Myx 3 (#ED 6)	RECORD HJ. 406 ROX 3 (BLD 5)
SGP AND PHS	200 (MA-2184) (DEG)	SCO ARP PHS	SG# AMP PHS
1 1.003 0.0 2 0.113 0.0 3 0.881 180.0 4 0.041 180.0 5 0.027 87.6 7 3.034 0.0 8 5.817 0.0	5 0 175 140 0 15 0 175 140 0	1 1.000 0.0 - 0.000 0.0 - 0.000 0.0 5 0.100 1.000	- 0.000 0.00 - 0.000 190.2 - 1.725 - 30.0 - 0.000 0.00 - 0.000 180.0 - 0.000 0.0 - 0.000 0.0
8 0.817 0.0 9 0.292 0.0 1J 0.093 180.0	12 0 336 100 0	- 0.000 0.0 - 0.000 0.0 - 0.000 0.0	- 0.000 0.0 - 0.000 0.0
MF 1 40.980 33.4	1 41.261 -96.3	1 41.307 104.9	1 4.724 -18.5
		ADE 83. 40.62 HZ (BLAD	E 51. DAMPING- 0.46 2
RECURD VD. 407	RECORD NO. 408 Mux 2 (8LD 8)	RECORD NO. 409 NOR 3 (bld &)	RECORD NO. 409 RUE 3 (BLO 5)
SGE AND PHS	SGB (MU-STAY) (DEG)		
100 000 000 000 000 000 000 000 000 000	9 0.31 0.0	1 1.000 0.0 - 0.000 0.0 - 0.000 15.0 - 0.000 15.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0	- 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000
10 C-114 180-0 MF 1 11-883 -26-3	12 0.374 180.0	1 12.168 -170.0	1 15.101 -149.4
muyëm lê, komo 0.	FREQUENCY= 23.91 HZ !8	LADE 81. 23.98 M2 (8LAD	E 51. DAMFIRE # 0.65 Z
RECURD 40. 410 MJX 1 (4LD 8)	RECOSO MO. 411	RECORD NO. 412	SECRED HE STE
SGR AMP PMS (MU-STRN) (DEG)	SGS AND PHS		SCE AMP PHS (MU-STRM) (DEG)
	1	1 9.000 0.3 - 0.000 0.3 - 0.000 0.3 - 0.000 0.3 - 0.000 0.3 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0	- 0.600 9.60 5 10.600 9.00 - 0.600 9.00 - 0.600 9.00 - 0.600 1.600 - 0.600 1.600 - 0.600 1.600
4F 5 45.057 -103.3	5 41.647 -116.5	5 95.395 97.2	5 79.718 277.2
MODE= 17, RPR- 0.	FREQUENCY= 44.24 HZ (8		£ 51. DAMPING- 0.51 T
RECORD VD. 416	RECORD NO. 417 MUX 7 (BLU B)	R:CORD NO. 418 RUX 3 (BLD 63	RECORD HO 416
			SGO AMP PHS
SGO AMP PHS	SGR ANP PHS (MU-STRY) (DEG)	SGO INU-STRNI (DEGI	(WA-2154) (nfe)
\$68 (MU-STRM) (DEG)  \$ 0.0000 0.00  \$ 0.0000 0.00  \$ 0.0000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000 1.000  \$ 0.000  \$ 0.000 1.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.000  \$ 0.0	SEE ARP PHS	1 - 0.8000 C.3 - 0.8000 C.3	- 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00

and the first of the contract of the first of

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#0DE+ 1F+ 1	t>#+ 1000+	FREQUE	IC Y = 19.	37 MZ (BL	ADE 61	. 19-38	MZ (BLAD	E 51.	DARPING	- 0.11 Z
RECOR	10. 114	a 6	CORD NO	. 420 D #1	R	ECORD NO.	421	,	ECORD NO.	421
504	H) PHS			10661		AMP I MU-STERI			inu-STEN,	PHS
1 1.00	9.0	11	1.000 0.114 0.025 0.027 0.027 0.007	8:8	1	8.888	6.3 6.3 6.3 6.3	:	0.000	8.0
3 0.00 4 0.00 5 1.10	28 G.U	13	8:523	160.2 16.0 120.9	5	8 8 8 9	ç.3	3	0.000 1.180 1.083 0.000	-11.0 0.0 0.0
9 0.65 7 0.45	21 '23.7	15	0.023	120.4	=	8.808	8:3	9 10	0.202	-17.A
8 U.O	0.0	-	0.055	8.8	ē	8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6.3 6.3 6.3	-	0.252 0.259 0.000 0.000	1 0 . 0 0 . 0 0 . 0
10 4.21 NF 1 16.01		12 1	25-041	27.4	ì	23.926	11.1	ì	7.008	191.1
MODE+ 2F. R	PM= 1000.	FAFOUEN	rv= 45.3	10 HZ INL	AD+ #1.	55.36	MS CELAD	E 57.	DAMPING	• 0.70 z
	40. 432		COAD MO			CORD MD.			ECORD, 308	
	ANI IDEGI	•	MU-STRY!	(53a) (		NU-STRNS	(039)	_		(DEG)
1 000 1	7 156.0	11	1.080 6.080 9.083	148.0	:	1.000 0.000 0.000 2.000	0.000	•	0.000 0.1314 0.0000 0.0000	108:8
9 0.60	1 160.0	11	9.903	8.0	5	3.000	<b>2.3</b>		0.000	8.8
9 3:97	8.8	18	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	180 0 188 8 180 0	:	0.000 0.000	0.0	10	0.000	0.0 0.0
9 3.61	3 1882	9	2.732	1,8:8	į	0.000 2.983 0.000	165.9	ī	0.000	ŏ.ŏ
10 0.46 4F 1 9.56		ì	4.101	7.0	1	4.951	47.2	3.	4.950	227.2
MODE" 35. A	PM- 950.	FREGUEN	CY-114.3	34 HZ (#L	ADE 81-	114-77	HZ IBLAD	E 51.	DAMPING	- 0.32 1
	100 120		CEAD NO.			CORD NO.			ECORD NO.	
560 44	P PHS							\$6.0	(MU-STRN)	PHS
1 1.00	RMI (DEG)	,				1.000	(DEG)	_		
23 00 00	5 128.8	ļį	1.000 0.831 0.203 1.037	1.00 1.00 1.00 1.00 1.00 1.00 1.00	=	0.000	0.00 0.07 0.07 0.07 0.00 160.0	\$	0000 0000 0000 0000 0000 0000 0000 0000	9 8 9 8
5 6.3	1,8.9	12	0-143	140.5	5	0.000	56:3		0.051 0.050	1.8.8
\$ £: {}	4 47.7	18	X:14:	100.0	:	0.000	ž:3	10	8: 8:8	1 8 8
6 0 13 6 0 13	7 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19	0.320	-100.0	9	0.000 0.000 0.000	165.6	ī	1.800	8.8
wF 1 6.11		t	6-535	124.5		7.748	-67.3	1		-172-7
400E- 1E.	10 Ma 950.								DAMPING	
	#P. 479		CORO HO	430 0 61		CDRO NO.		,	ECORD HO	431
56# A*	IRN) (DEG)	563	MU-STRY	PHS	560	MJ-STRYJ	EDEG1	5 C #	(MU-STRN)	
2 0.00	2.0	11	0.000	0.0	1	9.000	<b>5:</b> 3	-	0.000 9.000 0.000 0.000 0.000 0.000 0.000	0.0
3 6.00	0.0	13	0.029	140.0	:	0.000 0.000 1.000	£:3	5	1.000 0.150	8.8
2 1:53	2.0	14 5 15	0.000	140.0	2	0003.6	8:3	į	8:532	8:8
3 0.0	? 0.0	16	0.000	0.0 0.0	Ę	0.000	8:3	•=	8.888	8.8
		12	0.000	0.0	-	8.000	8:8	1	0.000 49.978	0.0
NF 5 97-17	71.4		94.510	34.7	5		-30.7			-
	PR. 450,								DAMPING SCORD NO.	
NUX 1	NO. 437	A C	CORD NO	<u> </u>		CORD NO.			ECOªO HO.	
SCA (MY-SI	THE LOEG!		NU-STRY	1 (066)	SC#	MU-STRNI		Sca	£40-21841	
} 4.8	110:4	11	0.268	150.0	1	8 8 8 8	1 <b>6</b> 0.0	-	0.000 0.000 0.396	0.0 0.0
4 4.0	27 -61.9 27 -64.5 104.6	11	0.679	721.9	:	8 505		3	0.053	18.0
5 48.4 6 33.0 7 26.3		18	0.077 2.494 0.736 0.007	121.8	2	0.00°	ç. ö	10	0.000 1.000 0.000	140.0
A 7.60								-	0.000	
¥ 0.00	35 116:5	ē	1.663	8.8	9	1.835	8.5	_	0.000	-142-0
10 2.45 10 2.45	0.0	-	0.005	0.0 -15.6 36.3		7.968	1 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.000 0.076 25.223	-162.0

١,

MODE= 15, RPM= 0,	FREQUENCY 5.19 HZ CUL		DE 51. DAMPING- 0.60 %
RECORD 40. 464	# # # # # # # # # # # # # # # # # # #	RECOAD NO. 466	RECORD KO. 466 MOX 3 (BLD 5)
SGP (MU-STEN) 10[G]	STO (RU-STRV) (DEG)	SGO AMP PHS	SGO ABP PHS
1 1.000 0.0 2 0.718 0.0 3 0.363 0.0		1 0.000 0.00 1 0.000 0.00 1 0.000 0.00 1 0.000 0.00 2 0.000 0.000 2 0.0000 0.000 2 0.000 0.0000 2 0.000 0.000 2 0.0000 2 0.000 0.000 2 0.000 0.0000 2 0.00000 2 0.0000 2 0.	- 0.000 0.0 - 0.000 0.0
. 4 0.133	5 0.15/ 100.0	2 8 5 5 1 6 5 5 2 8 5 5 1 6 5 5	1.003 0.0 - 0.000 0.0 - 0.301 100-0
7 2.053 162.5	15 8:852 58:3	- 6.800 6.3	9 0.301 100.0 10 0.000 0.0 - 0.000 0.0
8 0.87, 0.0 9 0.388 0.0 10 0.007 0.0	- 0.000 0.0 9 0.278 48.2 12 0.221 0.0	2 8 365 8 8	- 0.000 0.0 - 0.000 0.0 1 1.000 0.0
WF 1 14.161 22.4	1 12.956 -71.0		1 2,072 -93.6
NODE- 25. RPM- 0.	FREQUENCY= 32.32 HZ (BL		
RECURU NO. 467 MUX 1 (8LD 6)	RECORD MJ. 468 MUX 2 (810 8)	RECURD NO. 469 MUX 3 (BLD 8)	RECORD HO. 449 RUZ 3 (BLD 5)
SG# (AU-S/RH) 10EG)	SGP (NU-STAY) (DEG)		SGB INU-STRNI IDEG!
1 1.000 0.0 2 0.104 0.0 3 2.886 180.0	1	1 1.000 6.3 - 0.000 6.0 - 0.000 0.0	- 0.000 0.0 - 0.000 1000 - 0.000 1000
3 0.307 180.0	12 8 361 148 8	5 0.314 25.3	- 6.000 G.A
7 0.003 132.9		- 0.000 0.0 - 0.000 0.0 - 0.000 0.0	10 0.000 0.0
10 0.000 0.000	9 0.309 0.0	9 0.295 15.3 - 0.000 C.3	- 0.000 <b>0.0</b>
WF 1 12.386 -118.1		1 7.688 -112.4	1 2.305 -10.2
MODE - 35, RPM- 0.	FREQUENCY- 91.23 HZ (BL	ADC 81. 90.63 H2 18LA	
RECORD NO. 470 MJR 1 (BLD 8)	RECORD NO. 471 NOX 2 (8_0 R)	RECORD NO. 472	RECORD NO. 4'2 NUX 3 (BLD 5)
SGO AMP PHS (NEG)	SGO AMP PHS	SGP ARP PHS	SGO AMP PHS
	1 1.000 0.0	1 1:000 0:0	- 0.000 0.0 - 0.000 -1.1 - 0.000 0.0
1 1 200 C.0 2 0.160 114 3 0.160 100.0 5 0.2657.7	11 0.000 0.0 13 0.000 0.0 14 0.491 -67.6 5 0.316 -94.3	- 0.000 F.S	5 0 190 -141 1 - 0 630 8 8
9 8.205 -47.7 8 112 15.3 7 4.303 0.0	15 0.316 -94.3 15 0.466 -115.2 16 0.050 0.0	5 0.239 -50.3 - 0.000 0.3 - 0.000 0.5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
9 6.334 6.0	, 0.344 0.0	- 0.000 0.3 9 0.356 -123 5	= 6868 8 8 8 8 B
		- 0.000 - 0.5 1 3.457 125.8	1 1:000 0:0 1 4:073 125:0
			_
	FREQUENCY= 23.66 M2 (BL		DE 51, DAMPINGO 0.67 % RECORD NO. 475
MECOMU 40. 473 MUY 1 (310 8)		RECORD NO. 475 MUX 3 (BLD 6)	RECORD NO. 475 NUX 3 (0LD 5)
SG# (MU-STRM) (DEG)	SG# (AU-STRY) (DEC)		SCE (MU-STRN) (DEG)
1 0.023 0.0 2 0.000 0.0 3 0.000 0.0	1 0.022 6.0 11 0.077 0.0 13 0.035 100.0	1 0.023 C.3 - 0.003	- 8.866
<b>≜</b> 0,000 0,0	14 0.000 0.0	5.3 863.7	\$ 6.259 0.0 \$ 8.267 0.0
7 0.662 0.6	15 0.021 150.0	5.868	10 8:808 8:6
4 0.135 0.0	9 0.136 0.0	- 0.000 C.3 9 0.135 C.3 - 0.000 C.5	7 8 8 8 8 8 8
NF 5 180.179 115.9	5 182.144 #6.3	5 179.738 51.0	5 150-757 231-0
HODE= 17. RPMn 0,	FREQUENCY= 44.19 HZ (BL		DE 51. DAMPING- 0.53 I
RECORD VO. 476	RECORD NO. 477	RECOLD NO. 478	RECORD NO. 478
SGE (MU-STAN) (DFG)	SGF AMP PYS	SGO AND PHS (MU-STRN) (DEG)	SGE ANP PHS (NU-STRN) (D4G)
1 0.300 D 0 0.003 0.0 3 0.034 160.0	1 0.621 0.0 11 0.665 0.0	1 8:8658 8:8 2 8:6658 1*8:3 2 8:6658 8:3 2 8:6658 8:3	- 000000000000000000000000000000000000
4 0.000 0.0	14 0.027 180.0	= 8.658 8.8 2 8.655 16.3	e 0.540 -93.0 - 0.000 -9.0
1 6.000 0.0	15 0.000	= 8:885 6:3	10 0.000 0.0
\$ 0.000 0.0 \$ 1.000 0.0	- 0.000 C.0 9 1.000 C.0 12 0.998 0.0	2 8:888 8:3	10 0000 0.0 10 0000 0.0 10 0000 0.0
WF 9 20.965 170.0	9 27.024 44.2	4 26.946 52.6	9 1,247 161,9

#006- 1F+ #PH- 1000.	FREQUENCY" 18.73 HZ (8)		1.0 -Dustand 166 30.
RECORD NO. 440	RECORD NO. 441	RECORD NO. 44.	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
SGO AMP PHS	Ses (MM-SIKA) EDEC!	SGO (MU-SYRM) (DEG)	560 (MU-\$18H) (DE
1 1.007 0.00 1 0.007 1.00.00 1 0.007 1.00.00 1 0.007 1.00.00 1 0.007 1.00.00 1 0.007 1.000 1 0.000 1 0.0000 1 0.00000 1 0.0000 1 0.	1 6:868 8:8 1 6:868 1:88 1 6:868 1:88 1 6:868 1:88 1 6:868 1:88	1	
Ak 1 30-105 -152-3	1 49-141 03-7	1 41,898 125.5	1 31.774 303.1
1004 - Cf . Remo 1007 .	, Fetauthct+ 55.50 HZ (BI	ejet su es,ce .10 30s.	
RECORD ND. 443	RECORD HD. 444 MUR Z (BLD B)	RECURU NO. 445	# # # # # # # # # # # # # # # # # # #
SGO AMP PMS (MU-STAM) (DEG)	SG4 ARP PHS (MU-STRY) (DEG)	SGO CHU-STRHE COEST	See thu-Sikus (Die)
10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000	1 1.000 0.0 11 0.000 100.0 12 0.000 100.0 15 1.000 100.0 15 1.000 100.0 17 1000 100.0 18 1	1 000000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 00000 1 000000	
460t- 31, 874- 1000.	**EOUENCY=116.65 HZ (8	TADE 81. 370-63 MS 485	LOF SI. DAMPING. O.L
RECORD TO. 446	RECORD NO 447	RECORD NO. 446	RECORD NO. 348
SGO (NU-STEN) (DEG)	SG# AMP PAS	Sue (NU-STRIK (DEG)	SEE THE STAN (DES
10	1 1.000 10.0 11 0.85 15.1 12 0.85 1.0 13 0.221 -1.0.2 14 0.221 -1.0.2 15 0.221 -1.0.2 16 0.221 -1.0.3 17 0.221 -1.0.3 18 0.221 -1.0.3 19 0.221 -1.0.3 10 0.221 -1.0.3	1 000000000000000000000000000000000000	
	######################################	LADE 81+ 24+83 H2 (WL	nf 6). Båmbins n.76
40DE- 16, K2M- 1000, 4ECURD VO, 449 MUX 1 (8EC 8)	RECORD NO. 450	RECORD NO. 481	at coad to. 451
SH9 THE	SCA THE BUT THE	\ 9 ANA PAL	tro-Stant (Dick
1 9-(5) 0-6	1 0.000 0.0	1 1991 (MITS-UN) (CEU)	
\$ 0.000 \$ 1.000 \$ 1.000 \$ 2.200 \$ 2.200 \$ 0.000 \$ 0.000	11 0.007 180.0 14 0.007 180.0 15 1.005 0.0 15 0.000 0.0 16 0.000 0.0 17 0.000 0.0 18 0.000 0.0	- 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000 - 0.0000	10 8:00 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 1 180 0:00 0:0
4E 2 145.404 82.5	5 141.288 73.4	\$ 135.100 -104.8	£ 44.627 75.2
RODE= 17 RPM= 1000; RECORD 40, 496 MUX 1 told 31	RECORD NO. 457	RECORD NO. 354	ecord no. 550
SGB (MU-STEM) (DEG)	SC# (NU-STRY) (DECT	วิธีชี (พบ-รีวิลีพ) เซีย์นี้ไ	tan-zigu) (Dee)
1 0.140 158.8 2 0.140 167.3 1 0.140 10.2 2 1.400 150.4 2 1.400 150.4 2 0.000 120.3 2 0.000 10.3 2 0.000 10.	1 0.220 180.7 11 0.022 480.0 13 0.022 481.3 14 0.023 111.9 2.723 140.0 15 0.009 180.0 - 0.000 0.0 12 1.554 0.0 5 2.753 -1-1.7	1	

NODE+ AFT RPT OF	FREQUENCY* 5.18 HZ (BL	ADE 61. 9.35 HZ (614DE	51. DARPING- 0.53
RECORD NO. 479	#(COLD H3- 460 RUM 2 (8-0 a)	MY 3 (870 9)	#62080 HOS 341
SGE AMP PHS (MU-STRM) (DEG)	SGE (NU-STRY) (PG)		1840 (MU-\$1841) (DES
1 1.00; 0.0 1 0.11; 0.0 2 0.11; 15; 2 0.14; 15; 3 0.14; 15;	1 0.005 0.00 11 0.005 0.00 12 0.005 100.00 13 0.005 100.00		- 000000000000000000000000000000000000
10 0.003 0.0			1 1:000 0:0
4F 1 11-057 -111.2	1 10.228 125.6	1 11.501 -194.9	1 .011.0 -31.43
MBUE= 2F+ NYM= C+	FREQUENCY- 32.05 n2 (8)		
RECORD 40. 484	RECORD H3, 263	etcord mo. 484 mur 3 tulb 81	MICORD NO. 484 MOR 3 (BLD 5)
SGO (MU-STAM) (DEC)	SGE (MU-STRY) (DEGI	(MY-2444) (D4-2)	(MA-ZIKW) (DEC)
00000000000000000000000000000000000000	1 1.000 0.0 1 2.000 8:8 1 2.000 10:0 1 3.000 10:0 1 3.000 10:0 1 3.000 10:0 1 3.000 10:0		00000000000000000000000000000000000000
NF 1 5.488 10.5	1 4,489 29,5	5 0.644 12313	1 13.011 333.0
NODE - 3F. RPM - 0.		40E 81. 90.47 HZ (#440	31. DARPING- 0.34
RETURN 40. 491	RECORD NO. 442	#4cceD NO. 193 MUX 3 (863 8)	RECORD NO. 493
SGE AND PMS		see (mi-sign) (beci	SEE (MU-STRM) (DEG)
1 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.00	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	- 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00
MODE" 18. HPM. C.		406 91+ 30+05 MS 4#406	
MFCDRD 20 18A	# ECCRO NJ. 449 MUL 2 (810 8)	TECHED HO. 190	RECORD NO. 490
SGO ANT PHS ENU-STEN! EDEG!	SGE AMP PMS	2 Co (M-2 LA) (DEC)	See (nu-Sten) toegi
10 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0	1 0.073 160.0 11 0.073 160.0 12 0.073 160.0 13 0.073 160.0 14 0.073 160.0 15 0.074 160.0	#1000000000000000000000000000000000000	00000000000000000000000000000000000000
VF \$ \$9.104 -69.1	\$ 60.193 -63.9	2 20.354 375.3	\$ 47,907 292.7
400E+ 11, 47M+ C+	FREQUENCY+ 37.75 HZ (WL BECORD H3. 445		SIL BARPINGS 0.40
RECURD NO 494	LOX 3 (6-0 9)	RECORD NO. 496 NVS 3 (840 8)	RECORD NO. 496
SGR AND PEST	SCO INUSTRAL IDEGI	(MJ-STRM) (CEB)	SEE (MU-STEW) (DEG!
1 0.000 -10.00 1 0.000 100.00 1 0.000 100.00 1 1000 1000 100.00 1 1000 1000 1000 1000 1000 1000 1000	1 0:000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -1000 -100		- 0.000 - 0.0000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.0000 - 0.000 - 0.
4F 5 2.101 -49.6	5 2,957 -54.7	\$ 1.974 -51,6	\$ 1.654 154.4

NDDE- 16. 8PM- 412.	FREDUENET. P. 38 HZ (AL	ADL 81+ 9-53 HZ 18L4	DE 51. DARPING. 0.42 2
RECORD TO SEA		RECORD NO. 524 NUX 3 (8LD 8)	RECORD NO. 526
SGB AND PHS		SGF ARP PHS (MJ-STRN) (DEG)	SGU AND PHS
1 1.003 0.00 2 0.003 1.000 2 0.000 2 0.0000 2 0.000 2 0.000 2 0.0000 2 0	1 1.000 0.0 11 0.001 10.0 12 0.031 140.0 13 0.041 140.0 14 0.041 140.0 15 0.041 140.0	1 1.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000	- 8:808 8:8 - 8:809 1:80:8 - 8:009 1:80:8 - 8:009 1:80:8 - 8:009 1:80:8 - 9:009 1:80:8
10 0:345 -45.3			1 21.441 307.9
	FREQUENCY 21.33 HZ (BL		
RECORD TO. 521		RECORD NO. 523	## 445 FED \$43
SGO INU-STRNI (DEG)		S. (my-STRH) LOCE!	\$60 (my-\$1km) (D\$6) - 0.00 0.0
00000000000000000000000000000000000000	111 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00	00000000000000000000000000000000000000	- 9:000 0:00 - 9:000 0:00 - 9:000 0:00
4° 5 57.274 "3.6	5 60.262 -132.3	5 130.387 '6.3	5 98.017 216.3
	FREQUENCIO 19.26 MZ (BL		
RECURD 40: 515	CH CHO 43 516	RECURD NO. 517 Mux 3 (810 8)	RECORD NO. 917
SCO INU-STEND LOEGT	SGE (NU-STRY) (DEC)	SGS AMP PMS (MU-STRH) (DEGT	
1 1.003 0.00 2 1.10 00.00 2 0.151 10.00 2 0.151 10.00 2 0.151 10.00 2 0.053 136.1 2 0.053 136.1	14 0.115 0.0	1 1.000 - 0.000 - 0.0000 - 0.000 - 0.00	- 0.000 0.0 5 0.194 - 90.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 - 0.000 0.0 10 0.000 0.0 1 1.000 0.0
	FKEUNEHCA+ 42.35 HS (BE		108 51. DARPING 0.52 2
WEEDED 40 310	RECORD NO. 519 NUL 2 68-D 89	RECORD NO. 320 NUX 3 18LO 83	RECORD NO. 320
SGO ATP PHS	See (MO-SEEA) (DEC)	SC# CHU-S'RH) (DEG)	SGO (NU-STAN) (DEG)
1 1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 0.000 1000 - 0.000 - 0.000 1000 - 0.000 10
At 1 11.02P -5.4	1 14-480 56.0	1 12.435 112.7	1 88.375 101.7
	## ## ## ## ## ## ## ## ## ## ## ## ##		X S7.0 PHI <sup>4</sup> NAC 16: 3D. RECORD NO. 514
MECURD 40. 512 MUR 1 (810 8)	RECUPO NO. 213	RECORD NO. \$14 MUX 3 (810 8)	MAX 3 (Bro 2)
SGE AN EDEGI	SGP INU-STRY) (DEG)	SGE IMU-STRNI EDEGI	SER (MU-STRAD LOEG)
1 00000 000000000000000000000000000000	15 000000000000000000000000000000000000	1 0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.0	00000000000000000000000000000000000000
VF \$ 114.444 -14.1	5 113.466 -20.4	5 100.018 156.4	5 75,343 334.4

4006- 16. 45m- 1012.			(SLADE 5). DAMPING 0.11 %
# COUNTY 50 500	RECOMB WJ. 501	ACCORD NO. 30	RECORD HO: 502
SGO AMP PHS (MU-STAN) (DEG)	(40-01-4) (960)	SCO (MU-STRN) (D	PMS SGE (MU-STRN) (DEG)
1 1:33 8:8 8:8	1 1.000 0.0 11 0.023 1.000 12 0.023 1.000	1 1.000 - 0.000 - 0.000 - 0.000 - 0.000	- 0.000 0.00 - 0.000 0.00 - 0.000 0.00
	11 0.117 0.0 11 0.023 100 1 0.023 -0.0	5 0.351 -	
3 0000 1781 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0.337 -67.8 1 0.655 0.0 1 0.655 0.0	- 0.000 - 0.000	
15 6:11 1:0:2	12 0.052 6.0	- 0.000	10 0 277 1000 10 0 277 1000 10 0 277 1000 10 0 277 1000
At 1 10% 24400 1	1 33.104 13.1		2.5 1 17.351 132.0
400E- 2F, RPM- 1012.			(BLAGE 5), BARPING0.44 E
RECURD NO. 503	RECORD HO. 504 NOR 2 (B.D. 4)	RECORD NO. 30	RECORD NO. 305 RUX 3 (BLG 5)
SGE THE THE THE	See WA-Ziras (DEC)	SGB (RU-STRH) 10	PAS SEE (RU-STRN) (DEE)
1 2:003 0:00 2 0:427 140:00	1 00 00 00 00 00 00 00 00 00 00 00 00 00	1 3.000 - 0.000 - 0.000 - 0.106 - 0.006	0 - 0.000 0.0 0 - 0.070 100.0 0 - 1.194 100.0 0 - 1.194 100.0 0 - 0.000 0.0 0 - 0.000 0.0 0 - 0.000 0.0
	1 1.000 0.0 11 0.345 100.0 13 0.118 0.0 15 8.233 140.0	- 0.000 3 0.306 ->	6.0 5 6.184 180.0 6.3 6 1.639 9.0
9 0 289 - 0 8 0 000 0 0 0 000 1 8 0 000 1 8 0 000 0		- 0.000	0.3
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 0.000 0.0 12 0.028 100.0	- 0.000	0.5 - 0.060 0.0 6.3 - 0.000 0.0 6.3 1 1.000 0.0
1F 1 13.254 -144.3			1 16.520 76.0
BANES 15. HPM- 1013.	6468466574114.85 MJ 1814	NOS MIN ILANAL MZ	18LADE 51. BARPING" 0.57 %
ercoen an 30e	RECORD NJ. 507 NUR 2 (850 8)	RECORD NO. 30	RECORD NO. 508
SGE (MU-STRN) (DEG)	SGO ARP PHS	SGF AMP	FMS SGB AMP PMS
		1 1.000	
₹ 8.853 8.¥	1 1.000 0.0	1 1.000 - 3.000 - 0.000 - 0.000 5 3.550 18	8:3 1 4:231 1 8:9
1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	14 1.014 180.0 15 6.509 180.0 15 0.562 180.0	5 3.559 18 - 0.500 - 0.000	\$ 10 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 6:477 180.0	- 0.000 v 0.275 -7	
	12 0.000 100.0		(;6 <u>1 1.600 0.0</u> 7.3 1 19.608 -80.4
- ·	• • • • • • • • • • • • • • • • • • • •		
			(BLADE 5), BARPING 0.78 T
RECORD 40. SCO		RECURD NO. 31	
SCO (NU-STRN) (DEG)			163 260 (mu-2/m) (DEG)
1 0.035 -87.3	1 0.032 -118.4 11 0.044 -54.0 13 0.029 180.0	- 0.000 - 0.000 - 0.000	K:
1.003 0.0	14 0.000 0.0 5 1.000 0.0	- 0.000 - 0.000	8 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
9 0 100	15 0.000 0.0 16 0.000 0.0 - 0.000 0.0	= 8:888	18 8:638 1.818 - 8:808 8:8
16 6.93 190.0	9 0.201 0.0	9.800	2.4 1 4.4.4 4.4
HE 5 76+275 =131.4	5 78.482 12.0	5 64.318 12	3.5 5 50.758 303.5
	FREQUENCY+ 40.63 HZ 18L/		talade 5%, DARPING- 2-00 I
RECURD 40. 497	KECOPO My 108	RECORD MD. 49	
SGE (NU-STEN) (DEG)	SGB ENU-STREE EDECT	SGB (NU-STRN) ED	EGI (NU-STRN) (DEGI
\$ 0.041 82.5 \$ 0.026 180.0 \$ 0.051 121.3 \$ 1.051 180.0 \$ 1.051 180.0	1 0.036 0.0 11 8.368 -2.2	1 0.085 18 - 0.000 - 0.000	0.00 <b>0.00 0.0</b>
\$ 0.05. 113.2 0.031 121.3 \$ 3.15. 160.0	11 0 168 - 20 0 13 0 163 - 137 3	- 0.000 - 0.000	6.5 4 0.544 180.0 6.5 - 0.000 9.0
\$ \$15. 180.0 6 \$.005 180.0 8 \$.605 180.0	14 0.179 180.0	- 0.000	6.5 9 1.COO 9.0
	15 0:179 180.0	- 6.000	6.3 10 0.145 115.1
8 3.605 180.0 9 1.003 0.0 10 .105 180.0	- 0.000 0.0	- 0.000 - 0.000 - 0.000	1

## DATA NOT AVAILABLE

MODE- 24, RPM- 0.	FREQUENCY- 32.02 HZ 16L/		E 51, DAMPING- 0.60 Z
RECORD NO. 530	RECORD NO. 531	#ECOED NO. 532	MAX 3 (FO 3)5
SGO ATT PHE	SGA AMP PHS (MU-STRY) IDEGI	SGO (MU-STRN) (DEG)	SEE (NU-STEN) (DEE)
1 1.000	1 1.000 0.0 11 0.072 10.0 10 0.072 10.0 10 0.072 10.0 11 0.172 10.0 12 0.172 10.0 13 0.00 0.0 14 0.00 0.0 15 0.00 0.0 16 0.00 0.0 17 0.00 0.0 18 0.00	1 00 00 00 00 00 00 00 00 00 00 00 00 00	- 0.090 - 0
MF 1 6-974 28.1	1 6.297 -78.2	1 7.070 -77.2	1 41,228 -77,2
#00E- 3F. R>N- 0.	FREQUENCY- 40.32 HZ (81.4	NOE 81, 90.45 M2 (8LAD	
RECURU WG. 533 RUX 1 (610 8)	RECORD NO. 53%	MUX 3 (BLD B)	RECORD MP. 939
SGE AND PHS	SGS (NU-STRY) (DEG	SGE ANP PHS (NU-STRY) (DEG)	208 (MM-ZIEMS COEC)
1 (.000) 0.0 2 0.000 0.0 3 0.000 0.0 4 10.321 -37.7 9 1.598 -19.6 7 7 0.000 -39.8 9 2.918 -37.6	1 1.000 10.00 11 0.617 10.00 14 0.640 10.00 15 0.640 10.00 15 0.640 10.00 16 0.640 10.00 17 0.640 10.00 18 0.640 10.00	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 0.00 - 0.000 100.00 - 0.000 100.00 - 0.000 0.00 - 0.000 0.00 - 0.000 0.00
NF 1.000 0.0	1 7.124 -173.4	1 7.150 106.9	1 1.114 100.0
MUDE- LE. RPH- 0,	F4EGUERCY- 19.98 MZ (8L/	NO: 51, 20.02 HE 18LAC	E 51. DARPING - Q. 65 I
RECORD 40. 536	RECORD NO. 537	RECORD MG. 538 Rux 3 (RLD 8)	RECORD HB. 978 ROX 3 (210 St
RECORD NO. 536 RUF 1 (510 0) SG# ARP PHS (MU-STEN) (DEC)	RECORD NO 537 REX 2 (8LB 6) 364 ARP PAS (NU-STRY) (UEG)	RECORD MO. 538 RUX 3 (RED 8) SG# LNP PMS (MU-STRN) (DEC)	RECORD HH. STE RUX 3 (210 5) SGE AGE AMS (MU-STRNS (DEG)
RECORD VO. 536 RUF 1 (210 d)	RECORD NO. 537	RECORD MG. 536 Rux 3 (RED 8)	ROX 3 (210 51
RECORU NO. \$36 RUK 1 [ ] 0 01 \$6	RECORD ND 537 NLX 2 (LL 6 2)  SG (110-5784) (DEG)  1 0.030 - 70.2 11 0.030 - 160.0 12 0.030 - 160.0 13 0.030 - 160.0 14 0.030 - 160.0 15 0.030 - 160.0 16 0.035 - 160.0	RECORD MD. 538 RUX 3 (ALD 8) SG# (AUJ-STRN) (DEC) 1 0.600 1 0.600 2 0.600 2 0.600 3 0.600 3 0.600 3 0.600 3 0.600 3 0.600 3 0.600 3 0.600 3 0.600 3 0.600	RECORD HR. 478 RDX 3 (21.0 51  56
RECORU NO. \$76 RUF 1 [20 4]  SG	RECORD NO. 537 N.3 2 (ELD C)  SG4 APP (NU-STRY) (UEG)  1 0.030 -100.0 13 0.030 -100.0 14 0.030 180.0 15 0.030 180.0 16 0.030 180.0 17 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 180.0 18 0.030 1	RECORD MD. 538 RUX 3 (ALD 8)  SG8 (MJ-STRN) (DEG)  1 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000 0.00  - 0.000	##CD2D HR. 478 #PX 3 (210 51  \$60
RECORU NO. \$76 RUF 1 [10 0]  SG4 ARP N   ODE F  1 0.000 0.0 1 0.000 0.0 2 0.000 0.0 3 0.000 0.0 4 0.000 0.0 5 1.000 0.0 5 1.000 0.0 6 0.055 0.0 7 0.055 0.0 7 0.055 0.0 8 0.078 75.6 NF 5 64.078 -31.8  RODE 11. RPR* 0. RECURD NO. \$399 RUK 1 14.0 81	RECUENCY 37.81 HZ (8L/2 840)	RECORD MD. 538 RUX 3 (ALD 8)  SG# (AUJ STRN) (DEG!  1 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.60	**ECORD HR. 378 **RDX 3 (21.0) 51 **SG** (MU-358%) (DcG) **O.030 0.0 **O.040 0
RECORU NO. \$36 RUF 1 [ELD 4]  SG	RECORD NO. 537 N.3 2 (ELD C)  SG4 (NU-STRY) (DEG)  1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030 -10.0 1 0.030	RECORD NO. 538 RUX 3 (ALD 8)  SG8 (MJ-STRN) (DEG)  1 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.600 0.00 - 0.60	** COAD HA . 378 ** ROX 3 (210 51 51 51 51 51 51 51 51 51 51 51 51 51
RECORU VO. \$36  RUF 1 (ELD 4)  SG (MU-STYN) (DEG 1  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.000 0.00  1 0.00	RECORD NO. 537 NLX 2 (MD 5)  SG (MU-STRV) (DEG)  1 0.030 - 10.2 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1 0.030 - 10.0 1	RECORD MD. 538 RUX 3 (ALD 8)  SG# (AUJ STRN) (DEG!  1 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.600 0.00  - 0.60	**ECORD HR. 378 **RDX 3 (21.0) 51 **SG** (MU-358%) (DcG) **O.030 0.0 **O.040 0

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400E+ 1F, &P=. 1000.	FRECUENCY+ 18.50 HZ (BL	ADE 87. 10.40 HZ 18LA	DE 51. DAMPING- 0.27 Z
RECORD 40. 549	RECORD NG. 550 NUL 2 (8.0 8)	RECORD NO. 331	46CO4D NO. 351
SGE AND PHS (RU-STEW) IDEG!		SGS ARP PHS	SG ANP PHS (MU-SIRH) (DEG)
3 5.923 8.8		1 1.000 5.3 - 0.000 5.3	- 0.000 0.0 - 0.000 0.0
\$ 8:8\$3 -18:Y	13 (.04 100.0	1 1.000 C.) - 0.000 C.) - 0.000 C.) - 0.000 C.) - 0.000 C.)	2 A: 3:3 8:8
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 8:833 117:2		12 8:308 -1-8:9
1 3:77		- 0.000 0.3 - 0.000 0.3	- 0.600 0.0 - 0.600 0.0
10 0.144 185.0 4F 1 25.443 17.5	12 0.051 0.0 1 24.237 -146.9	1 29.291 -97.4	1 19,918 122.6
**************************************	FREQUENCY- 55-24 HZ (8L)	1DE 81. 55.28 HZ (8LA)	06 91. DARP[NG= 0.11 %
WAT 1 GED MI	RECORD NO. 553	RECORD NO. 354	RECORD MD. 554 MUX 3 (OLD 5)
SGE APP PHS (MU-STAM) (DEC)	SGO AMP PHS (MU-STRY) EDEG!	SG® AMP PMS (MU-STRM) (DEG)	SGO AMP PMS
1 000 000 000 000 000 000 000 000 000 0	1 1.000 0.0 11 0.500 100.0 13 0.123 0.0	<b>8:3</b> 883:8	
1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 0-123 0-0 13 0-123 1000 13 0-123 1000 13 0-123 1000 15 0-100 -532 15 0-100 0-0 15 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 0 2 1 1 10 0 10 0 2 1 1 10 0
. F*ACB 44*1	16 0.086 0.0 - 0.090 0.0 - 0.330 0.0 12 3.196 -63.3	- 0.000 - 0.000 - 0.000 - 0.000	- 6.60 · 6.6
\$ 0.465 0.5	12 3.196 -63.3	- 0.000 C.3	7 9 8°6 8 8
At 1 14.495 9.9	1 17.248 72.6	1 11.573 72.9	1 14.517 72.9
400E+ 3F, RPM+ 1000.	FREQUENCY-116.39 HZ (BL		
RECORD AD. 355	RECOAD NJ. 556	RECORD NO. 597	RECORD NO 957
SGO AMP PHS	SGO AMP PHS (MU-STRN) (DEL)	SGO (MU-STRM) (DEG)	See (RU-SIRM) (DEE)
1 1.000 0.0	1 1.000 0.0 11 0.784 180.0 13 0.119 67.0	1 0.868 0.9 - 0.868 6.3 - 0.868 1.83	- 0.500 · 0.0 6.600 5 0.550 10.0
3 3.214 100.0	11 0.784 180.7 13 0.119 0.0 14 1.103 0.0 15 0.143 160.1 16 0.715 180.0	= 8.500 8.500 8.300	1. Yoğ 0. 0
\$ 7.202 13.6 6 0.104 122.7 7 0.206 33.5	14 1.101 0.0 9 0.120 160.1 16 0.215 160.0	- 9:500 1:50 - 9:500 1:50	18 8 185 167 8
9 0.265 13.4	9 0.340 102.9	- 9:500 - 9:500 - 9:300 - 9:300 - 9:300	10 00000000000000000000000000000000000
10 0.114 1ec.6	12 0.499 165.3	1 #4794 -145.1	1 16.269 -132.7
MUDE= 18. RPM= 1000.	FREQUENCY 22.74 HZ (BL	ADE 81. 22.82 M2 18LA	Z SC.O -DHPING- O.52 Z
		RECORD NG. 548 NUX 3 (915 8)	RECOED NO. 578
RECURD NO. 545 NUX 1 (4LD 5) SGE ANP PHS	SGS AMP EMS	SCE AND PHS (MU-STRM) (DEG)	SLE (MU-STRH) (DEG)
ERU-STANI EDEGI	INU-STRY) (DEC)		
₹ 8.333 <u>-</u> 198.3	13 0:027 180.0	1 0.052 100.5 - 0.000 0.5 - 0.000 0.5 - 0.000 0.5	- 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000
1 1:803 8:8	14 0.000 0.0 14 0.000 0.0 16 0.000 0.0	5 1.600 \$10	\$ 0.000 - 0.000 0.000 0.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
\$ 0.435 \$ 0.42 \$ 0.141 \$ 0.141	1. 8.858 6.8	- 0.000 - 0.000 - 0.000 - 0.000	10 0.000 1000
10 0:062 -100:1	8 8.5 <sub>0</sub> 3 6.0	- 0.000 6.3	1 0.045 -145.9
MF 5 117.531 56.6		5 83.880 134.8	\$ 62.614 314.6
	FREQUENCY = 40.17 HZ 16L		DE 51, DAMPING- 1-40 Z
RECURD 40. 542	RECORD 43, 543 HUX 2 (8.0 B)	#ECORD Ng. 544 Mux 3 1823 81	RECORD NO. 344 NOX 3 (BLD 5)
SG# LNU-SYRNI (DEG!	SGP (NU-STRAF (DEG)	SGO (MU-STRN) IDEGS	SGO ARP PHS (MU-STRN) (DEG)
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0.091 -16.0 13 8:667 148:8 13 9:236 3.8	00000000000000000000000000000000000000	- 0.000
9 00000 9 00000 9 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11 8 617 148 8 13 9 217 8 8		
6 1.543 0.00 6 0.343 0.00	13 8:83 R:8	1 00000 000000 0000000 0000000 000000000	10 0 200 1000
	8.8 8,3.9		
15 5.107 180.0	12 0:343 154:5	- 0.000 0.0	1 6.038 72.6

400E+ 1f+ R>R+ 0+			
#2 Cosn (469 330	RECORD M3. 559 MUR 2 (8LD 8)	RECURD BU. 340	RECORD NO. 300
560 AMP PMS	SGO INU-STRY! IDEG!	SGO (MU-SYEM) (D(G)	see tur-signs totel
1 1 903 0 0	11 3.000 8.8	1 000 00 00 00 00 00 00 00 00 00 00 00 0	- 0.000 0.0
\$ 0.323 0.0 \$ 0.363 0.0	13 8:87 108:8	- 8:000 0:0 - 8:000 0:3	- 0.000 0.0 - 0.000 1000 1.013 0.0
2 0.044 100.0	12 8:639 TY:8	- 3.808 8.3	
7 0 003 0 0 9 4 333 0 0 9 4 402 0 0	9 0:408 0:0	= 8 8 8 6 3	- 0.000 0.0
10 6.150 100.0 MF 1 17.505 117.2		- 0.000 6.3	1 1.000 0.0
MF 1 17.505 117.2	1 15.984 142.2	1 10.101 -4410	1 - 71-40 1(11-0
	FREQUENCY= 32.19 H2 (BL		
RECURD NG. 561	MON S COT DES	RECURD ND. 503 NUR 3 ERCS #1	MOE 3 (BLD 5)
SGO AND PHS	SGB AMP PHS (MCS)	SGO INU-STRAL IDEGI	SCO (MI-STAN) (DEC)
1 1.007 0.00 1 0.007 1.00 1 0.007 1.00	1 1.000 11 0.000 12 0.000 13 0.000 14 0.000 15 0.000 15 0.000	1 1.000	- 0.000 0.0
9 4.551 156.0		1 1.000 1 0.000 1 0.000 1 0.000 1 0.000	3 9:107 -108:3
2 6:331 188:8	1 0 300 100 0 1 0 0 100 110 0	5 0 2 13 -109 5 - 0 000 0 5 - 0 000 0 5	- 0.000 0.0
4 0.633	- 0.000 110.0 - 0.000 79.1		- 0.006 0.0
	15 0.148 100.0		1 1.000 0.0
wf 1 6.215 171.5	1 5,031 5.9	1 4.343 -11.5	1 10.514 89.5
400g- 3f, RPM- 0.	FREQUENCY- 90.31 nJ 18L	AUE 01+ - 00+40 HZ (BLAC	)E 51. DAMPING- 0.44 Z
RECURD YD, See RUE 1 (BLD B)	RECORDING 565	RECORD NO. 566 NUX 3 (BLU 8)	RECORD MG. 566 MUX 3 (BLD 5)
	ses two signs toed	SCH AMP FRS	SGE AMP PHS
INU-STANI (DEC)	1 1.000 G.0	1 1.000 G.J	- 0:000 0.0
1 1.00) 1.000	11 N.ASY 140-0	2 0.000	- 8:000 8:0 2 9:007 109:0 2 9:007 109:0 3 9:007 8:0
9 0.064 180.0 9 0.064 -130.0	13 0.179 0.0 14 0.638 0.0 5 0.988 180.0	5 0.003 100.3	- 2.000 8.8
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15 0.394 0.0	: 8:666 8:3	TO NOKOD TAKAK
<b>3</b> 3:473 8:8	9 0.311 U.0 12 0.465 160.3	- 0.000 8.0 5 6.312 6.3	- 0.000 - 0.000 1 1.000
	12 0.465 100.0	1 10.527 53.9	1 12.307 53.9
4F 1 10.586 -80.3	-	-	
MODE - 1E . RPM - 0.	FREQUENCY- 20.04 HZ (8)		
RECORD NO SAT			
	RECORD NJ. 568 MUX 2 (0.0 8)	RECORD MG. 569	RECORD NO. \$69 NUX 3 (BLD 3)
SGO (MU-STEN) EDEG	SGF ANP PHS	RECORD MG. 369 MUN 3 (ELD 81 SGE (MU-STAN) (OLG)	RECORD NO. 369 NUX 3 (BLD 5) 3G8 ANP PMS (NV-STRN) (DEG)
360 (NU-STEN) (DEG)	SGF ANP PHS	RECORD MG. 369 MUN 3 (ELD 81 SGE (MU-STAN) (OLG)	RECORD NO. \$69 NUX 3 (BLD 5) \$60 ARP PMS (MU-STRN) (DEG) - 0.000 0.0
360 (NU-STEN) (DEG)	SGF ANP PHS	RECORD. MG. 309 MUX 3 (810 81) SGG (MU-STAM) (OLG) 1 0.000 0.3 - 0.000 0.3 - 0.000 0.3	RECORD NO. \$69 NUX 3 (BLO \$1) \$60 APP PMS (NU-STRN) (DEG) - 0.000 0.0 5 1.000 0.0
360 (NU-STEN) (DEG)	1 0.000 C.0 1 0.000 T.55.0 1 0.000 T.55.0 1 0.000 T.55.0	#ECORD. MG. 300 MUX 3 (eto 81 360 (MU-STAM) (OLG) 1 0.000 (.3 - 0.000 (.3 - 0.000 (.3 - 0.000 (.3 - 0.000 (.3 - 0.000 (.3	RECORD MO. \$60 NUX 3 (BLD 5) SG# APP PMS (MU-STRH) (DEG) - 0.000 0.0 3 1.000 0.0 5 0.141 0.0 - 0.000 0.0 9 0.000 0.0
\$68 (HU-\$74N) (DEG)	SGF (AU-STRY) (DEG)  1 0.000 C.0 13 0.002 T.50.0 15 0.002 T.50.0 15 0.002 T.50.0 15 0.002 T.50.0	# (000 %g. 300 Mg. 300	RECORD NO. \$60 NUX 3 (BLO \$1) 360 APP PM5 (NU-STRN) (DEG) - 0.000 0.0 5 1.000 0.0 6 0.131 0.0 - 0.000 0.0
\$68 (mu-\$74.N) (DEG)  1 0.000 0.00  2 0.000 1.000  2 0.000 1.000  3 0.000 0.000  3 0.000 0.000  5 0.000 0.000  6 0.523 0.000  6 0.523 0.000  6 0.523 0.000  7 0.523 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.00000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.00000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.00000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.0000 0.0000  8 0.000	SG# (AU-STRY) (DEG)  1 0.000	# (000 Mg. 300	RECORD NO. \$60 NUX 3 (BLO \$1) 368
\$60 (MU-\$74N) (DEG)	SGF (AU-STRY) (DEG)  1 0.000 C.0 13 0.002 T.50.0 15 0.002 T.50.0 15 0.002 T.50.0 15 0.002 T.50.0	# (000 %g. 300 Mg. 300	RECORD NO. \$60 NUX 3 (BLO \$1) \$60 APP PMS (NU-STRN) (DEG) - 0.000 0.0 5 1.000 0.0 5 1.000 0.0 - 0.000 0.0 1.000 0.0 - 0.000 0.
\$68 (#U-\$7(N) (DEG)  \$ 00.000 180.00  \$ 0.0001 180.00  \$ 0.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$ 1.0001 180.00  \$	1 0.000 100.00 1 0.000 100.00	\$60 RO. MG. 500 RO. S.	RECORD NO. \$60 NUX 3 (BLO \$1)  \$60 APP PMS  (MU-STRM) (DEG)  - 0.000 0.0  5 1.000 0.0  6 0.101 0.0  10 0.001 0.0  10 0.001 0.0  10 0.003 0.0  10 0.003 0.0  5 28.134 322.0
\$68 (HU-\$7(N) (DEG)  1 00000 (8000)  2 00000 (8000)  3 00000 (8000)  3 00000 (8000)  4 00000 (8000)  5 10000 (8000)  6 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (8000)  7 00000 (	SGF (AU-STRY) (DEG) 1 0.000 125.00 13 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 125.00 15 0.002 12	# CORD. Mg. 500 MUX 3 (etb 81) \$66 (MU-5TRM) (OE6) - 0.000 (.3) - 0.000 (.3)	RECORD NO. \$60 nux 3 (BLO \$1)  \$60 AMP PMS  (MU-STRM! (DEG)  - 0.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.000 0.0  \$1.0
\$68 (HU-\$T(N) (DEG)  1 0.020 C.0  2 0.027 180.0  3 0.027 180.0  4 0.027 180.0  5 1.000 0.0  7 0.523 0.0  7 0.523 0.0  7 0.523 0.0  7 0.523 0.0  7 0.523 0.0  7 0.523 0.0  8 0.069 -23.6  9 0.069 -23.6  9 0.069 -23.6  WF > 3>.132 88.8  MODE* 11, RPM* 0.  RECORD YO, 570  MUX 1 (BLU B)	SGE (AU-STRY) (DEG)  1 0.000 75.00  1 0.000 75.00  1 0.000 75.00  1 0.000 75.00  1 0.000 100.00  1 0.000 100.00  2 0.000 100.00  5 35.968 155.2  FREQUENCY- 37.94 MZ (BL	# CORD. Mg. 500 NUX 3 (200 81) 1 0.000 (.3) - 0.000 (.3)	RECORD NO. \$60 NUX 3 (BLO \$1)  SG# APP PMS  (NU-STRN) (DEG)  - 0.000 0.0  5 1.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0.0  - 0.000 0
\$68 (HU-\$T(N) (DEG)  1 0.000 0.000  1 0.000 1000  1 0.000 1000  2 0.000 0.000  2 0.000 0.000  3 0.000 0.000  3 0.000 0.000  4 0.000 -23.8  10 0.000 -23.8  4 0.000 -23.8  MDE=11, RPM= 0.  RECORD YD, 570  MUX 1 (#LU #)  \$68 (MU-\$TKN) (DEG)	SGF (AU-STRY) (DEG)  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 1	# CORD. MG. 500 MUX 3 (800 MI)	RECORD NO. \$69  NUX 3 (BLD \$1)  \$60  (NU-STRN1 (DEG)  - 0.000 0.0  3 1.000 0.0  5 0.01 0.0  10 0.01 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0
\$68 (HU-\$TCN) (DEG)  1 0.020 C.0  2 0.020 C.0  3 0.627 180.0  4 0.027 180.0  5 1.000 0.0  6 0.55 0.0  7 0.523 0.0  8 0.049 -23.8  10 0.085 -169.6  WF > 3>.132 88.8  MODE* 11, RPM* 0.  RECORD YD, \$70  MUX 1 (MLD M)  \$68 (MU-\$TRN) (DEG)	SGF (AU-STRY) (DEG)  1 0.005 135.0  1 0.005 135.0  1 0.005 135.0  1 0.005 136.0  1 0.005 136.0  1 0.005 136.0  1 0.005 136.0  1 0.005 136.0  5 35.968 155.2  FREDUENCY- 37.94 MZ (BL  REC 7 MJ. 571  100.009 0.00	# CORD. MG. 500 MUX 3 (800 MI)	RECORD NO. \$69  NUX 3 (BLD \$1)  \$60  (NU-STRN1 (DEG)  - 0.000 0.0  3 1.000 0.0  5 0.01 0.0  10 0.01 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0
\$68 (HU-\$TCN) (DEG)  1 0.020 C.0  2 0.027 180.0  3 0.627 180.0  4 0.027 180.0  5 1.000 0.2  6 0.55 0.2  7 0.523 0.0  7 0.523 0.0  8 0.049 -23.6  9 0.049 -23.6  9 0.049 -23.6  WF > 3>.132 88.8  MODE* 11, RPM* 0.  RECORD YO, 570  MUX 1 (BLU B)  \$60 (HU-\$TCN) (DEG)  1 0.056 0.0  1 0.056 0.0	SGF (AU-STRY) (DEG)  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  1 0.002 125.00  FREQUENCY- 37.94 MZ (BL  RECT MJ. 571  AUX 181 B 87  SGF (AU-STRY) (DEG)  1 0.002 0.00  1 0.002 0.00  1 0.002 0.00  1 0.002 0.00  1 0.002 0.00	# CORD. MG. 500 MUX 3 (800 MI)	RECORD NO. \$69  NUX 3 (BLD \$1)  \$60  (NU-STRN1 (DEG)  - 0.000 0.0  3 1.000 0.0  5 0.01 0.0  10 0.01 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0.03 0.0  10 0
\$68 (HU-\$TCN) (DEG)  1 0.020 C.0  2 0.027 180.0  3 0.627 180.0  4 0.027 180.0  5 1.000 0.2  6 0.55 0.2  7 0.523 0.0  7 0.523 0.0  8 0.049 -23.6  9 0.049 -23.6  9 0.049 -23.6  WF > 3>.132 88.8  MODE* 11, RPM* 0.  RECORD YO, 570  MUX 1 (BLU B)  \$60 (HU-\$TCN) (DEG)  1 0.056 0.0  4 0.056 0.0	SGF (AU-STRY) (DEG)  1 0.002 120.00  13 0.002 120.00  15 0.002 120.00  15 0.002 120.00  16 0.002 120.00  17 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18	#ECORD. MG. 509 MUX 3 (810 81)  \$66 (MU-STRM) (OLG)  1 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3)  5 36.147 142.3  ADE 8). 38.47 M2 (81AD  #ECORD NO. 572  MOX 3 (810 81)  \$566 (MU-STRM) (DEG)  1 0.099 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3)	RECORD NO. \$69  NUX 3 (8LO \$1)  \$60
\$68 (HU-\$T(N) (DEG)  1 0.000 (S.0)  2 0.000 (S.0)  3 0.007 (B.0)  4 0.000 (S.0)  5 0.000 (S.0)  6 0.000 (S.0)  7 0.000 (S.0)  8 0.000 (S.0)  9 0.000 (S.0)	FREQUENCY = 37.94 HZ (BL  RECC	#ECORD. MG. 509 MUX 3 (810 81)  \$66 (MU-STRM) (OLG)  1 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3)  5 36.147 142.3  ADE 8). 38.47 M2 (81AD  #ECORD NO. 572  MOX 3 (810 81)  \$566 (MU-STRM) (DEG)  1 0.099 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3) - 0.000 (.3)	RECORD NO. \$69  NUX 3 (8LO \$1)  \$60
\$68 (HU-\$TCN) (DEG)  1 0.020 C.0  2 0.027 180.0  3 0.627 180.0  4 0.027 180.0  5 1.000 0.2  6 0.55 0.2  7 0.523 0.0  7 0.523 0.0  8 0.049 -23.6  9 0.049 -23.6  9 0.049 -23.6  WF > 3>.132 88.8  MODE* 11, RPM* 0.  RECORD YO, 570  MUX 1 (BLU B)  \$60 (HU-\$TCN) (DEG)  1 0.056 0.0  4 0.056 0.0	FREQUENCY - 37.94 HZ (BL  REC THOUST HOUSE)  1 0.002 120.00  12 0.002 7.5.0  13 0.002 7.5.0  14 0.002 120.00  15 0.002 120.00  16 0.002 120.00  17 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00  18 0.002 120.00	# CORD. MG. 500 MUX 3 (200 81)  \$ 560	RECORD NO. \$60  NUX 3 (BLO \$1)

400E+ LF. R+M+ 1000.	FREQUENCY+ 18.70 HZ FOL	ADE 61. 18.70 HZ 18LA	04 51, BARPING. 0.20 Z
RECORD TO STY	RE 040 43, 574	AECORD NO. 375	RECORD NO. 575
SGO AMP PHY	SGP APP PAS 190-3-141 (DEC)	See IMI-STRNI IDEGI	SCO ARP PMS (RU-STRN) (DEG)
4 00000 000000 000000 000000 000000 00000	1 1.000 0.0 11 0.056 100.0 13 0.056 100.0 14 0.056 100.0	1 1.000 0.5 - 0.000 0.5 - 0.000 0.5 - 0.000 100.3	2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	13 C.056 160.0 14 Q.050 160.0 15 Q.050 160.0	- 0.000 6.3 - 6.000 6.3 - 1.188 180.3 - 0.000 5.0	5 1.510 1.610 - 8.621 8.8
7 0.611	15 0.050 100.0	- 0.643	18 8:173 -115.8
\$ 600 L TA	9 0.000 -26.0	• 5:105 27:5	8 8 8 8 8
10 71042 -2113 mf 1 164076 10443		- 0.00; 6.5 1 4.607 -88.2	1 1:000 0:0 1 10.727 91.6
#GDE+ 1F. R*M+ 1000.	FREQUENCY+ 55-17 M2 (BL	ANE 81 45.32 NZ (81A	
86C080 40, 576	•	##CO40 NO. 374	efcoed up, 970 Mul 3 (810 5)
SGO AB PHS	SG (NU-STRA) (DEG)	TOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO	16, ARD SHE
	(NU-STRY) (DEG)	1830) (##f2~um) C.0 000,1 1	SEP AND IDEG!
1 1.000 1 0.000 1 0.000 1 0.000 1 0.000	1 1.000 0.0 11 0.541 180.0 13 0.116 0.0 14 0.434 18C.C 5 1.576 -33.7 15 0.084 0.0	1 1.000 0.3 - 8.888 6.3 - 9.889 1.5 - 9.889 1.5 - 8.889 1.5 - 8.899 1.5 - 8.8	- 0.000 - 0.0000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.0000 - 0.000 - 0.
1 1 1 1 2 - 43 4	14 0.434 10C.C	1 1 1 1 1 1 1 1 1	9 0 65 1 0 0 6 65 2 0 0
7 21734 -5414		= 8.888 8.8	10 8:37 100:0
10 0.099 180.0	• 6.57} 0.5	9 000 (13 9 000 (13	10 8:347 1.000 T 9:800 8:00
		1 10.480 -31.3	
#60fo lf. EPRo 1000.	FREQUENCY-116.17 HZ (4L)	LOF AL. 114.34 MP (BLAC	ne 6). Dampinge 0.58 z
RECORD, 40. 579	RECOLD WJ 580 RUE 2 (8.0 8)	RECORD ND. 361	RECOND NO. 581
SGA AMP PHS	SGP ARP FUS INU-STEVE (DEG)		SEP FRE CHS
FRU-STRNI (DEGI	1 1.000 0.0	(MA-218# (B[C]	(MU-STRN) (DEG)
1 1 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1.000 10.00 11 0.000 125.00 12 0.000 10.00 13 0.000 10.00 14 0.000 10.00 15 0.000 10.00 16 0.000 10.00	1 0000 - 0000	- 0.000 - 0.0000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.000 - 0.0000 - 0.000 - 0.
9 0 1 9 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	13 9 8 3 - 18 3	- 0.000 -101.3	0.100
5 0 143 149 0 0 143 60 3 0 143 60 3	15 8:519 100:0	5 0.144 -102.2 - 0.655 0.5 - 0.662 0.5	10 C. 213 160.6
1 0 133 60 3 4 5 775 0 0 10 0 153 160 0	12 0.466 100.U	- 6.666 16.3	- 0.005 0.0 - 0.00 0.8 1 1.000 0.0
46 1 10.744 -27.8	1 13,007 -18,6	1 11.000 94.6	1 14.400 -15.3
#DDE= 18. RPM= 1000.	FREQUENCIO 22.74 HZ BALA		E 5). DAMPING 0.77 2
BCCOGN AD 285	RECUAD NO. 583	RECORD NO. 384 NUX 3 (8LD 1) 568 AVP PHS (MU-STRN) (DEG)	##CD#D NO. 984
SGE AND PES	200 (MU-2144) (3E2)	SGO AND PHS	SCO AND PHS (NU-STRN) (DEG)
1 0.0.8 -29.			= 8:88 8:8
\$ 8.863 \$ 4.869 \$ 8.8	1 0.045 -27.0 11 0.075 -27.0 13 0.071 160.0 14 0.000 0.0	1 0.047 -21.5 - 0.000 - 6.0 - 0.000 - 6.0	\$ \$1508 818
\$ 4.809 0.0		• 1.000 0.0 • 0.000 0.0	8.900 8.8
8 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 0.000 6.0	20000000000000000000000000000000000000	10 9:072 109:0
10 0.034 1.0.0	12 0.000 0.0	- 8:000 0:3 - 8:000 6:0	1 0.060 -1411
MF 5 76.357 37.0	5 74.3/7 -49.2	5 73.423 -16.3	9 95.186 107.7
	PREQUENCY+ 40,47 HE IBLE		-
RECORD ND. Ses	RECOLD VO. 586	RECORD NO - 587	RECORD NO SET
See (MO-STRM) LOEG!	SGO THE BUS	SGO (RJ-STAN) (DEG)	\$60 AMP PUS (RU-STEN) (DE6)
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	1 0.000 10.00 - 0.000 10.1 - 0.000 10.1 - 0.000 10.1	- 0.000 0.00 - 0.000 0.000 - 0.000 0.000
\$ 6.673 \$ 249 8 6	11 0.202 0.0 13 0.052 -0.6 14 0.052 27.5	- 0.000 0.3 - 0.000 0.3 - 3.332 110.1	9 8 8 8 8 8
	15 6.022 100.0	- 0.000 10.0 - 0.000 9.0	18 9.99 - 9.9
	9 1.000	2.3 000.0	- 6.600 8.8 - 6.150 1000
Mb & 10.555 18.2	12 0.330 100.0	4 13.634 125.2	9 6.976 125.2

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# TABLE 36 EFFECT OF ROTOR CONFIGURATION AND SPEED ON FREQUENCY OF FIRST BENDING MODE OF BLADE S/N 8

- = not available

Plex	Co Pitch	onfiguration Precone	on Droop			quency,		
Stiff	0	0	0	5.21 (0)	9.53 (400)	12.75 (600)	16.30 (800)	19.52 (1000)
	12	0	0	-	-	13.52 (650)	-	18.98 (1000)
	0	O	-5	5.21	-	-	-	19.37 (1000)
	12	0	-5	5.19 (0)	-	-	-	18.73 (1000)
	0	5	0	5.19 (0)	-	•	-	20.32 (1000)
•	12	5	0	5.17	-	-	-	18.71 (1000)
Soft	0	0	0	5.19 (0)	-	-	15.46 (775)	19.37 (1060)
	0	0	-5	5.18 (0)	9.38 (410)	-	14.19 (710)	19.48 (1012)
	12	0	-5	5.17 (0)	-	-	•	18.50 (1000)
	-12	0	-5	5.18 (0)	-	-	-	18.70 (1000)
	0	5	0	5.19 (0)	-	-	-	19.33 (1000)
	12	5	0	5.18 (0)	-	-	-	18.42 (1000)

/ /

### TABLE 37 EFFECT OF ROTOR CONFIGURATION AND SPEED ON FREQUENCY OF SECOND BENDING HODE OF BLADE S/N 8

- - not available

Flex	Co Pitch	onfigurati Precone	on Droop	<b>&gt;</b>		equency,		
Stiff	0	0	0	32.17 (0)	-	41.15 (600)	49.37 (800)	55.94 (1000)
	12	0	0	-	-	44.76 (680)	-	54.34 (1000)
	0	0	-5	32.36 (0)	-	•	•	55.30 (1010)
	12	0	-5	32.32 (0)	-	-	-	55.15 (1000)
	0	5	0	32.28 (0)	-	-	-	55.12 (1000)
	12	5	0	32.22 (0)	-	***	-	54.62 (1000)
Soft	0	0	0	32.20 (0)	-	-	47.06 (77 <u>2</u> )	54.72 (1000)
	U	0	-5	32.05 (0)	-	-	45.17 (710)	55.58 (1012)
	12	0	-5	-	-	-	-	55.24 (1000)
	-12	0	-5	32.19 (0)	-	-	-	55.17 (1000)
	0	5	0	32.17 (0)	-	-	•	54.83 (1000)
	12	5	0	32.16 (0)	-	-	-	52.64 (1000)

### TABLE 38 EFFECT OF ROTOR CONFIGURATION AND SPEED ON PREQUENCY OF THIRD BENDING HODE OF BLADE S/N 8

- = not available

٠.		onfigurati				quency,		
Plex	Pitch	Precone	Droop		(	peed, rp	m)	
Stiff	0	0	0	91.80 (0)	95.88 (400)	102.05 (600)	109.29 (600)	117.37 (1000)
	12	0	0	-	~	103.51 (680)	-	117.10 (1000)
	0	0	-5	91.31 (0)	-	-	-	114.34 (950)
	12	0	-5	91.23 (0)	-	-	-	117.03 (1000)
	0	5	0	90.58 (0)	•	-	-	116.72 (1000)
	12	5	0	90.62 (0)	-	-		117.04 (1000)
Soft	0	e	0	90.58 (0)	-	-	-	115.83 (1000)
	0	0	-5	90.22 (0)	-	-	-	116.85 (1012)
	12	0	-5	90.32 (0)	•	-	-	116.39 (1000)
	-12	0	-5	90.31 (0)	•	-	•	116.17 (1000)
	0	5	0	90.69 (0)	-	-	-	116.91 (1000)
	12	5	0	90.32 (0)	-	-	-	110.74 (1000)

TABLE 39 EFFECT OF ROTOR CONFIGURATION AND SPZED ON FREQUENCY OF FIRST EDGSWISE MODE OF BLADE S/N 8

- = not available

Plex	Co Pitch	onfiguratione Precone	on Droop			quency,		
Stiff	0	0	0	24.02 (0)	24.31 (400)	24.51 (650)	24.72 (800)	25.09 (1000)
	12	0	0	-	-	24.53 (690)	-	25.31 (1000)
	0	0	-5	23.91 (0)	-	-	-	24.46 (950)
	12	0	-5	23.68 (0)	-	-	-	24.83 (1000)
	0	5	0	23.78 (0)	-	-	-	24.50 (1000)
	12	5	0	23.63	-	_	_	24.79 (1000)
Soft	0	C	0	22.03 (0)	-	-	-	22.51 (1000)
	0	0	-5	19.98 (u)	21.16 (410)	21.92 (710)	-	22.25 (1012)
	12	0	-5	19.98 (0)	••	-	-	22.74 (1000)
	-12	0	-5	20.04 (0)	-	-	-	22.74 (1000)
	0	5	0	21.91 (0)	-	-	-	21.35 (1000)
	12	5	0	21.83	-	-	-	21.99 (1000)

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# TABLE 40 EFFECT OF ROTOR CONFIGURATION AND SPEED ON FREQUENCY OF PERS' TORSION HODE OF BLADE S/N 8

- - not available

Flex	Co Pitch	onfiguration Precone	on Droop			quency, peed, r		
Stiff	0	0	0	43.61 (0)	45.00 (400)	44.51 (650)	48.50 (800)	47.93 (1000)
	12	0	0	-	-	46.14 (680)	. <del>-</del>	47.57 (1000)
	0	0	-5	44.24 (0)	-	-	-	53.87 (950)
	12	0	-5	44.19 (0)	-	-	-	49.49 (1000)
	ŋ	5	0	44.14 (0)	-	-	-	48.64 (1000)
	12	5	0	43.95 (0)	-	-	-	50.27 (1000)
Soft	0	0	0	37.96 (0)	-	-	41.26 (775)	44.10 (1000)
	0	0	-5	37.75 (0)	-	-	-	40.63 (1012)
	12	0	-5	37.81 (0)	•	-	-	40.17 (1000)
	-12	0	-5	37.94 (0)	-	-	-	40.47 (1000)
	0	5	0	39.01 (0)	-	-	-	38.60 (1000)
	12	5	0	37.89 (0)	-	-	-	38.10 (1000)

/\_

TABLE 41 SAMPLING RATE AND BANDPASS FILTER ASSIGNMENTS

Excitation Frequency Hz	Sampling Rate samples/sec	Frequency Resolution Hz	Bandpass Filter Hz	
0 - 10	100	0.1	fe ± 2	
10 - 20	200	0.2	fe ± 3	
20 - 30	400	0.4	fe ± 4	
30 - 50	1000	1.0	fe ± 5	
50 - 150	2000	2.0	fe ± 8	
150 - 300	4000	4.0	fe ± 10	

Note: Ie = excitation frequency in Hz

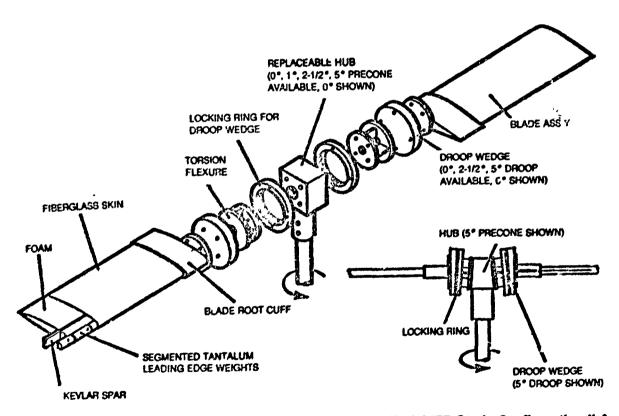


Figure 1 Schematic of Selected Hingless Helicopter Rotor Model-ITR Study Configuration II-A

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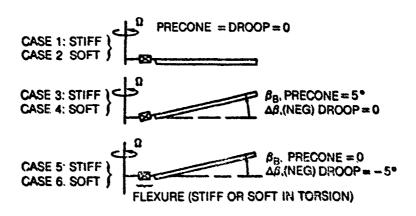


Figure 2 Rotor Configuration Cases Selected for Tests

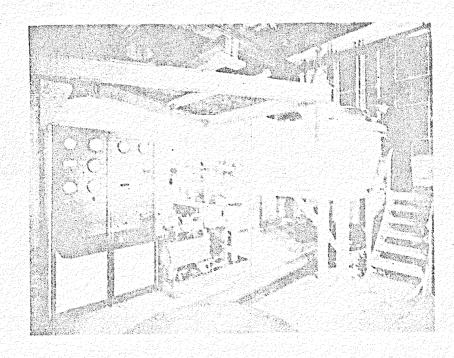


Figure 3 UTRC Vacuum Spin Rig

## ROTOR HUB, FLEXURES AND BLADES\*\*

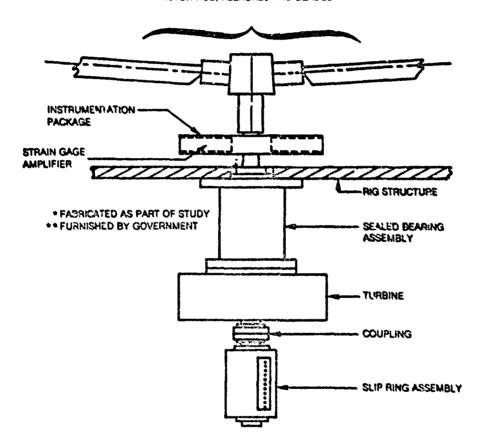


Figure 4 Conceptual Arrangement for Model Installation in the Vacuum Spin Rig

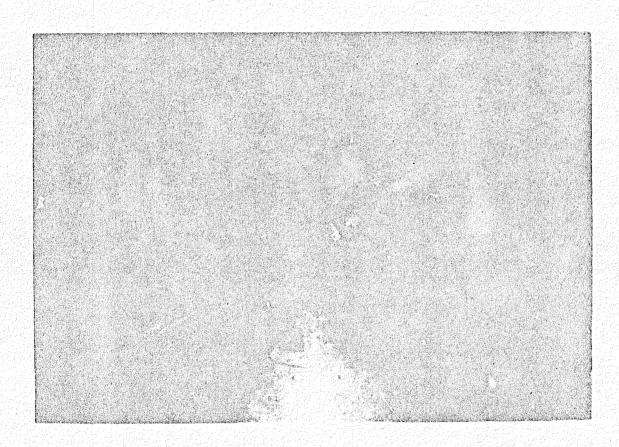


Figure 5 Instrumented Model Rotor in the UTRC Spin Rig

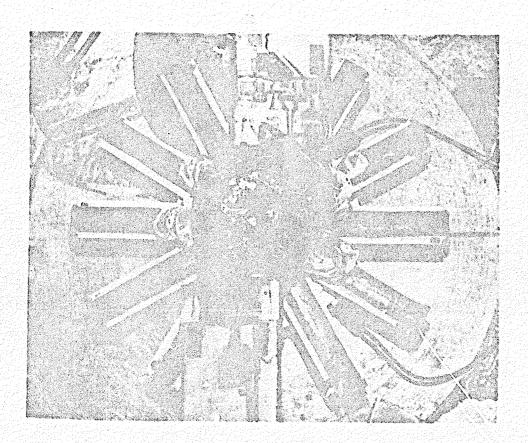
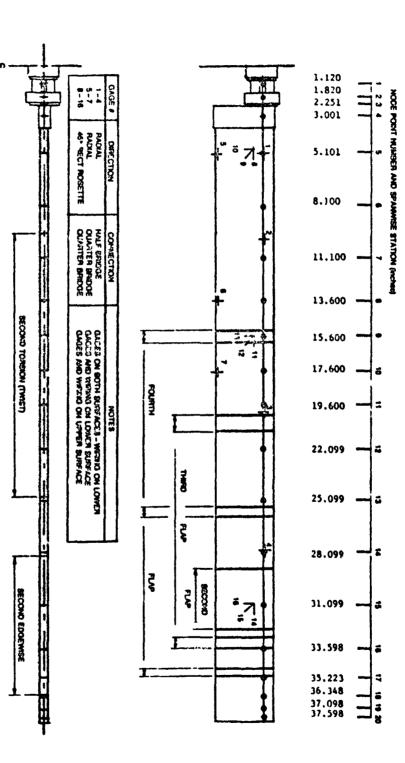


Figure 6 Model Rotor Drive Crystal Arrangement



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Figure 7 Strain Gage Description and Locations Relative to Component Mode Node Line Excursions for all Configurations and Speeds

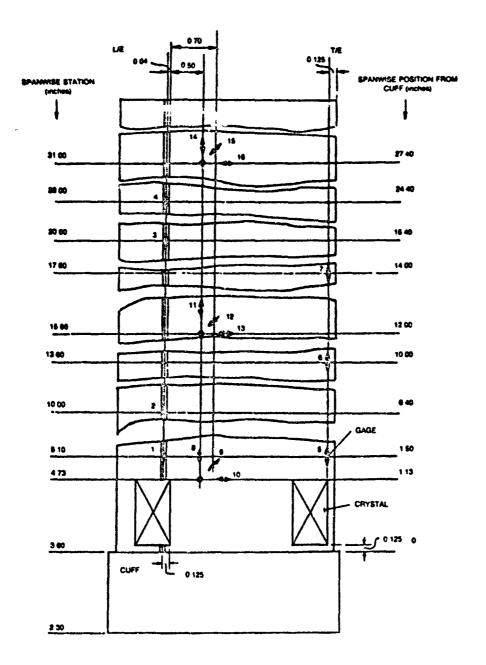


Figure 8 Strain Gage and Crystal Locations on Blade S/N 8

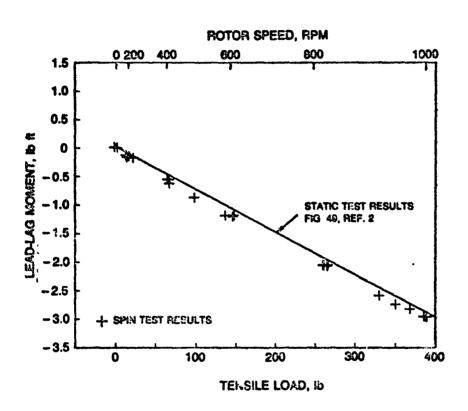


Figure 9 Comparison Between Steady Lead-Lag Moments Measured at Various Speeds with those Measured in Static Tests

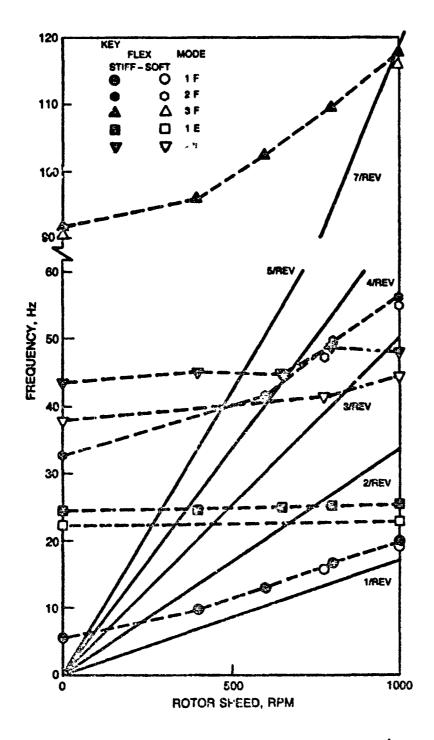


Figure 10 Effect of Rotor Speed on Modal Frequencies for Rotor Configurations 1 (a) and 2

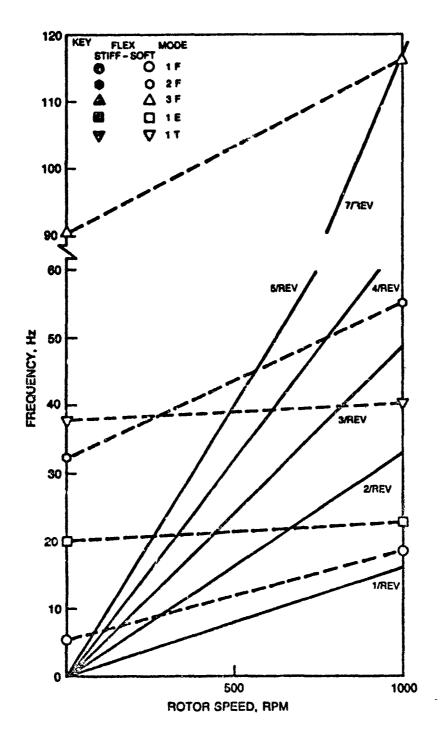


Figure 11 Effect of Rotor Speed on Modal Frequencies for Rotor Configuration 6 (c)

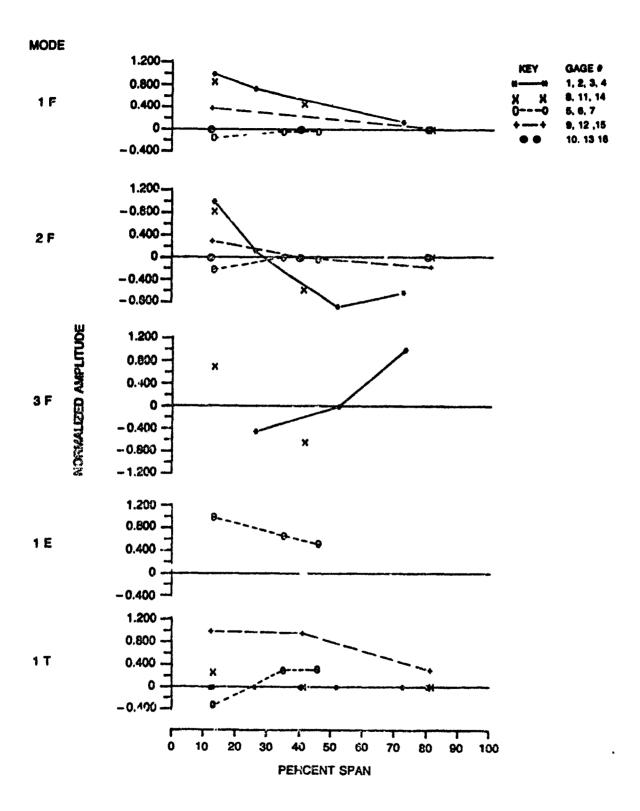


Figure 12 Modal Amplitude Plots for Rotor Configuration 1 (a) at 0 RPM

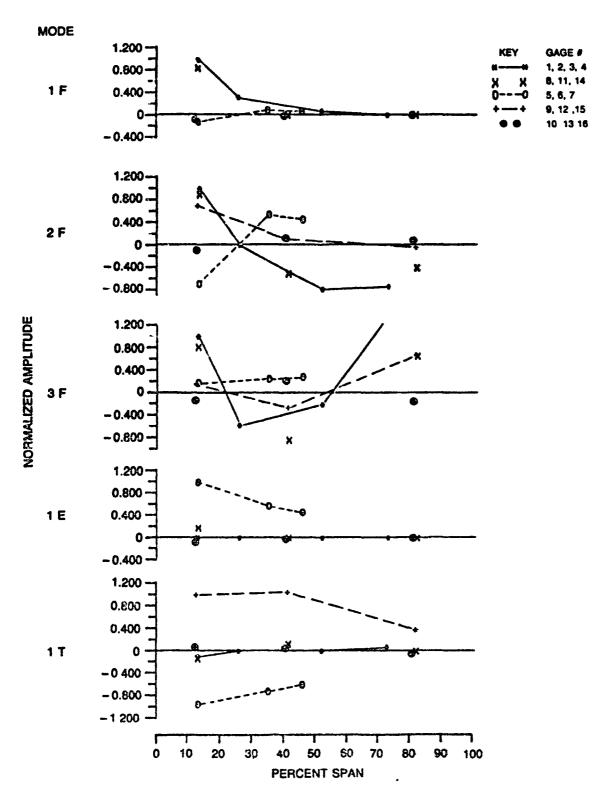


Figure 13 Modal Amplitude Plots for Rotor Configuration 1 (a) at 1000 RPM

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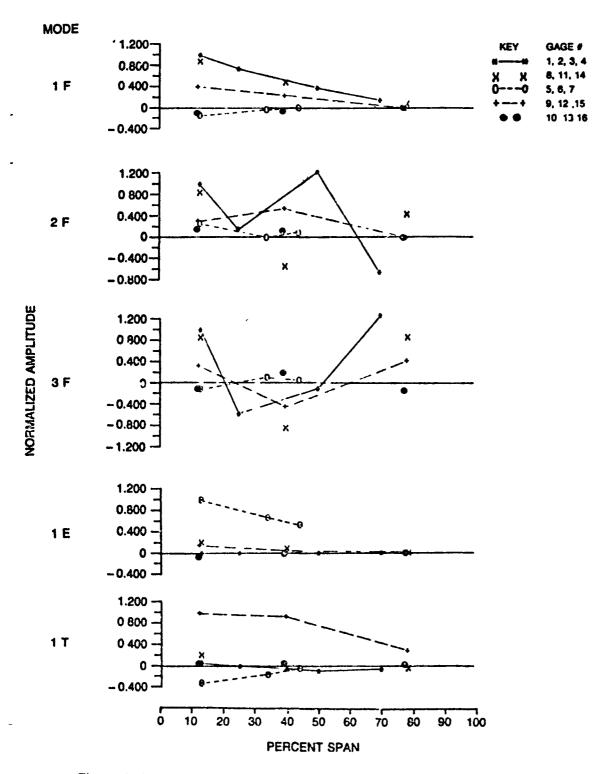


Figure 14 Modal Amplitude Plots for Rotor Configuration 2 and 0 RPM

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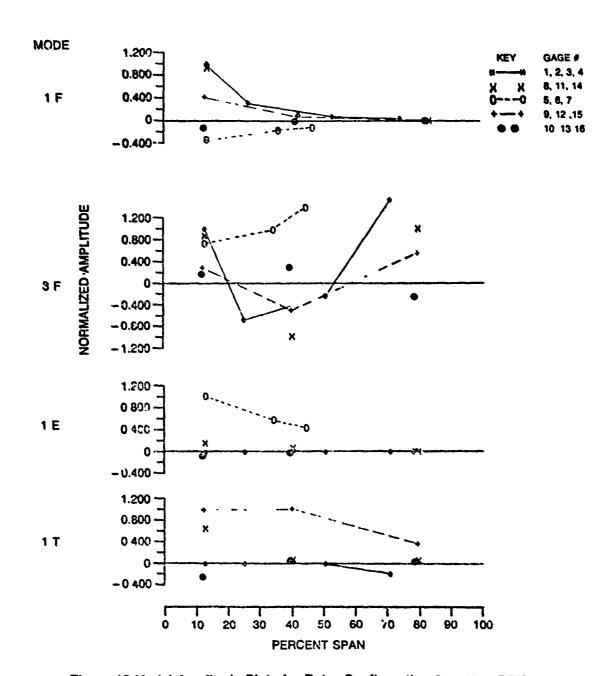


Figure 15 Modal Amplitude Plots for Rotor Configuration 2 at 1000 RPM

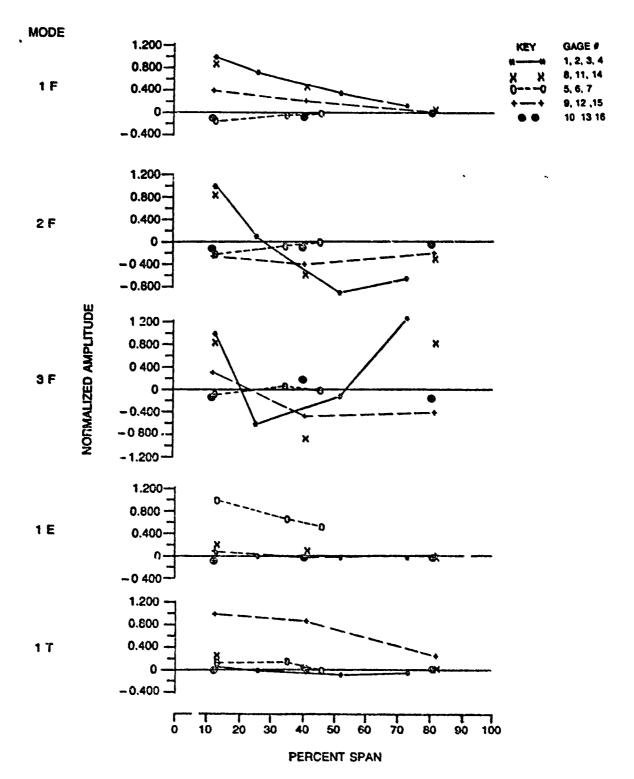


Figure 16 Model Amplitude Picts for Rotor Configuration 6 (c) at 0 RPM

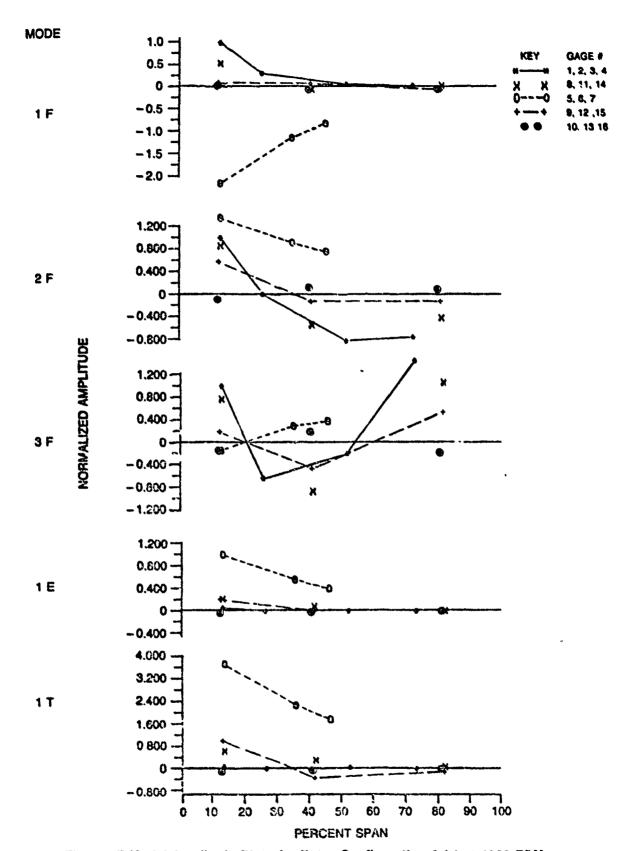


Figure 17 Model Amplitude Piots for Rotor Configuration 6 (c) at 1000 RPM

11/11/14-11

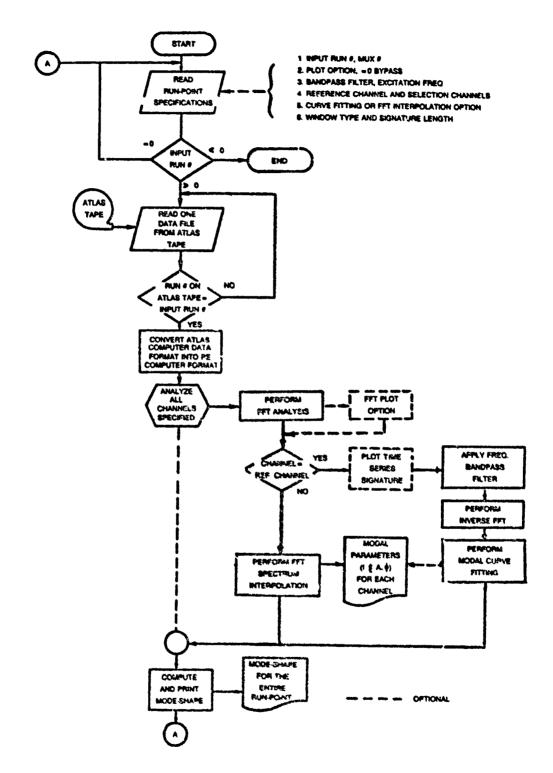


Figure 18 Data Reduction Program Logic Diagram

Given a set of digitized time domain signature:

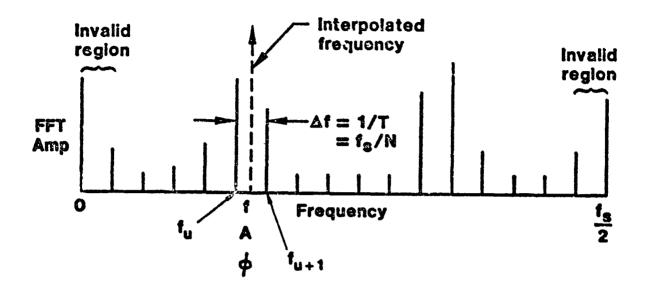
$$X (t_j), j=1, ...N$$

Assume an analytical wave form

Y (t<sub>j</sub>) = 
$$\Sigma^{NM}$$
 exp ( $\xi_{m}t_{j}$ ) [A<sub>m</sub>sin ( $2\pi t_{m}t_{j}$ ) + B<sub>m</sub> cos ( $2\pi t_{m}t_{j}$ )], j = 1, ...N  
m = 1

Minimize 
$$\sum_{j=1}^{N} \{Y_j(y_j) - X_j(y_j)\}^2$$

Figure 19 Time Domein Model Curve Fit Algorithm



$$\begin{array}{lll} X & (t_{i}) = A \cdot \cos{[2\pi i \ (t_{j}) + \phi]} & j = 0, ...N - 1 \\ M_{u} \circ^{i \phi} u = \text{FFT} \left[ X \ (t_{j}) \right] & u = 0, ...(N/2 - 1) \\ \text{Assume } t_{u} \leq i \leq t_{u+1} & \Delta i = t_{u+1} - t_{u} & \frac{M_{u+1}}{M_{u+1} + t A_{u}} \end{array}$$

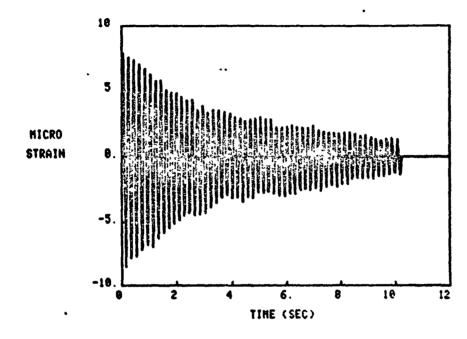
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0≤ν≤1/2	1/2< √ ≤1		
$f = f_u + \nu \Delta f$ $A \cong \pi \nu M_u / \sin (\pi \nu)$ $\phi = \phi_u - \pi \nu (N-1) / N$	$f = f_{u+1} - (1 - \nu) \Delta f$ $A \cong \pi (1 - \nu) M_{u+1} / \sin(\pi - \pi \nu)$ $\phi \cong \phi_{u+1} + \pi (1 - \nu) (N - 1) / N$		

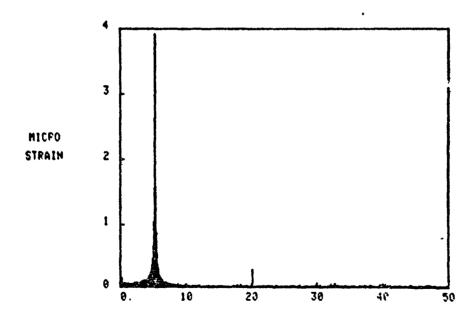
Figure 20 FFT Spectrum Interpolation Formulas

Figure 21 Sample Input Data File

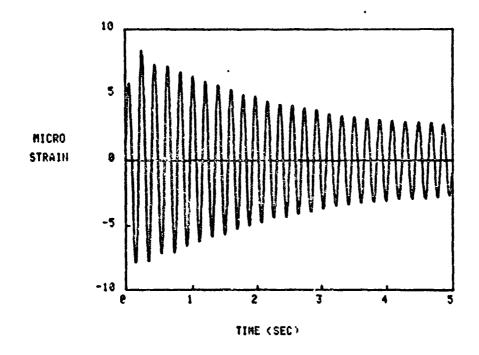
RUN=588: CHANNEL= 1, DATE= 608, MODE= 1, VACUUM= 0, RPM= 8
SAMPLING RATE 100., PITCH= 0, PRECONE= 0, DROOP= 0



FFT MAGNITUDE FOR RUN NO 588, CHANNEL 1



FREQUENCY (RZ)
Figure 22 Optional Graphics Output: Typical Time History and FFT Spectrum



CURVE FIT RESULT FOR RUN NO 588. CHANNEL 1

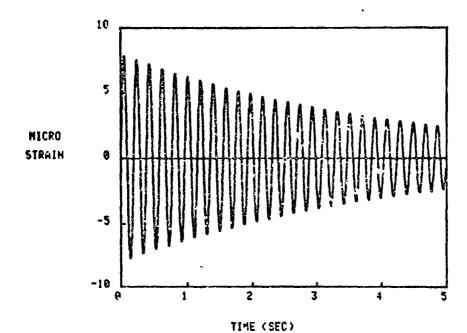
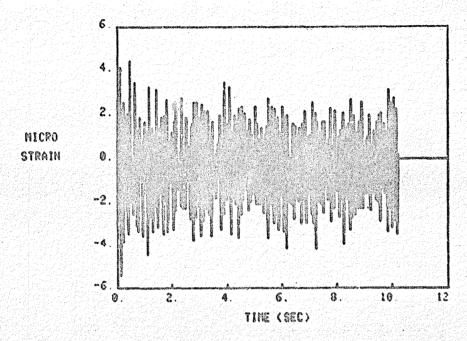


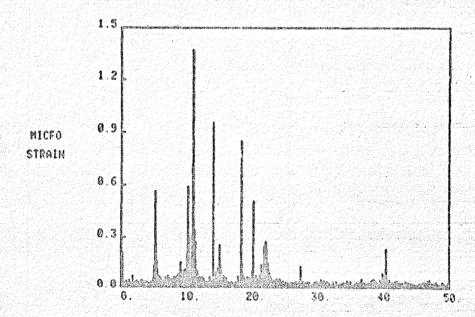
Figure 23 Optional Graphics Output: Typical Filtered Time History and Curve Fit Result

86-4-71-19

RUN=588, CHANNEL= 5, DATE= 608, MODE= 1, VACUUM= 0, RPM= 0
SAMPLING RATE 100. PITCH= 0, PRECONE= 0. DROOP= 0



FFT MAGNITUDE FOR RUN NO 588. CHANNEL 5



FREQUENCY (HZ)
Figure 24 Extraction of Model Information from a Time History Containing Noise

ALAS TAPE OUTP  SYSLIST  JUNNT  TIME  PROJECT  PROJECT  TAPE CHAN  TRINGSERZE  TRINGSERZE	THE STATE OF	FILE NO. 2975 CU STAT 19975 TATCUDE 2 TREADY1 10 UAL MODE 0 THE BASE 14 A (M2) 100 THE BASE 2000
FILE CHANNEL 10 1 MAX.STAY 32 2 CHN.STAY 32 3 FS IN MY 32 4 ** ** ** ** ** ** ** ** ** ** ** ** **	O WORDS REAU MUX O O O O O O O O O O O O O O O O O O O	CMANSTAT  CMANSTAT  ACDC  ACDC  ACDC  ACT NUATE  CALE  COCOCOCC  ACT NUATE  ACT NUA
FILE 2 CHANNEL 2 10 4 CHN STAT 32 5 5 10 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TO WORDS READ MUX OF THE TOP T	20 CALIBRATION INTEGERS CHANSTAT DIT 054 ACOC 1 OFF SET OVERLOAD ATTRUATE 1.00000E-00 IERO 1.02000E-00 IERO 1.02011E-04
FILE 2 CHAMMEL 3	MORDS READ MUX OF THE SOUR OF	20 CALIBRATION INTEGERS CMANSTAT 617 654 ACDC ACTOC OFF SET OVERLOAD ATTRUATE 1.00000E-00 25ALE 2.0000E-00 35ALE 1.0000E-00 3
FILE 2 CMAMNEL 4 2 CMM.STJ. 10 3 CMM.STAT 53 3 FS IN NV 32 4 FFUL SCL 218 5 FFUL SCL 218 6 FERD -96 6 -FUL SCL -200 7 SPARE -73 10 GAIM -28	TO WORDS BEAD MUX OF SELL SOOD	
FILE 2 CHANNEL 5 1 MAX.STO. 10 2 CHN.STAT 53	10 MDRDS READ MUX 0 12 F1E7ER 2000	

Figure 25 Optional Tabulated Output: ATLAS Tape Dump

1 ,

```
** FOR CHANNEL
                   1. RANDPASS FILTER USED IS FROM
                                                                 7. HZ
           INPUT SIGNATURE LENGTH (FROM NO. OF ITERATION = 6 NORMALIZED STD. DEVIATION =
                                            1 TO 400 ) =
                                                              400
                                            0.720131E-01
           NATURAL FREO
         MODE
                                 DAMPING
          1
                      5.20
                                 -0.780
                                             8.0800
                                                        94.46
   FOR CHANNEL
                  2. BANDPASS FILTER USED IS FROM
                                                        3. 10
                                                                 7. HZ
        RESULTS OF MODAL INTERPOLATION FUR CHANNEL
         5.20
                      5.21
                                  06.30
.. FOR CHANNEL
                                                       3. 70
                 3. RANDPASS FILTER USED 15 FROM
                                                                 7. Hz
```

```
*** SUMMARY OF NODAL ANALYSIS FOR EUN 588 ***

CHANNEL FRECUENCY DAMPING SHAF-AMP SHAP-PHS (DEGREE)

1 0.5147E.01 0.7797E.00 0.1000E.01 0.0000E.00 0.0000E.00 0.1296E.00 0.0000E.00 0.1296E.00 0.0000E.00 0.1296E.00 0.1296E
```

Figure 26 Optional Tabulated Output: Example of Curve Fit and interpolation Details and Results

1999 Same Same

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## TABLE RESULT OF MODAL ANALYSIS FOR ITR DATA

RUTO4 CONF: (P= 0, C= 0, D= 0, FLEX=
MODE= 1F, RPN= 0
FREQUENCY= 5.19 HZ (BLADE 8)
FREQUENCY= 5.35 HZ (BLADE 5)
DAMPING= 0.79 Z

RECORD NO. 588	RECORD NO.	509	CLED BO FOO	RECORD NO. 590
SG# ARP PHS (MU-STRN) (DEG)	SG# ARP	PHS SGE	(PU-STRN) (DEG)	SGE (RU-SERN) (DEC)
1 1.000 0.0 2 0.725 0.0 3 0.363 0.0 5 0.145 180.0 7 0.003 180.0 8 0.860 0.0 8 0.860 0.0 8 0.96 0.0 10 0.97 160.0	10000000000000000000000000000000000000	8:8 - 108:8 - 108:8 - 108:8 - 108:8 - 9:3 -	1.000 0.000 0.000 0.146 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	- 0.000 0.0 - 0.000 0.0
A. MORMAL 1 ZATION FAC 1 8.080 94.5	TGR 1 6.609	92,4 1	6.039 -87.9	1 7.576 -46.0
B. ARPOG.Q IMPLIES E	ITHER HO SIGNATURE	LACON ON NO	INFO AVAILABLE.	

Figure 27 Example of Data Reduction Program Tabulated Output

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